

File 347:JAPIO Oct 1976-2003/Jan(Updated 030506)

(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200329

(c) 2003 Thomson Derwent

? ds

Set	Items	Description
S1	2224325	MESSAGE? ? OR EMAIL OR ELECTRONIC()MAIL OR SIGNAL? ?
S2	1095373	S1(5N) (TRANSMIT? OR TRANSMISSION OR SEND? OR SENT OR COMMUNICAT? OR TRANSFER? OR CONVEY? OR PROVID? OR GIV??? OR DELIVER? OR SUPPLIE? ? OR SUPPLY??? OR GENERAT? OR CREAT? OR PRODUCE? OR CONSTRUCT? OR FORM??? OR FORMATION OR PREPAR?)
S3	1538015	CLIENT? ? OR NODE? ? OR PC? ? OR COMPUTER? ? OR WORKSTATION? ? OR WORK()STATION? ? OR TERMINAL? ?
S4	1265	CONNECTION(5W)OPEN OR SESSION? ?(5N)ACTIVE
S5	16232	(STATE OR STATUS) (5W)S3 OR S3(2W) (STATE OR STATUS)
S6	94788	(S3 OR NETWORK) (3W)CONNECTED OR (ACTIVE OR AVAILABL?) (5N)S3
S7	2304	HEARTBEAT OR CONTROL()MESSAGE? ?
S8	168362	(SECOND? OR 2ND OR REMOTE OR TARGET OR DESTINATION OR DIFFERENT OR SEPARATE OR ANOTHER OR OTHER) (3W)S3 OR SERVER
S9	71617	S3(5N)S2
S10	5	S9 AND S4 AND IC=G06F
S11	1035	S9(30N)S5
S12	7191	S9(20N)S8
S13	57	S11 AND S12 AND IC=G06F
S14	3364	S9(30N)S6
S15	187	S12 AND S14 AND IC=G06F
S16	98	S15 AND IC=G06F-013
S17	92	S16 NOT (S10 OR S13)
S18	6717	(ACTIVE OR AVAILABL?) (5N)S3
S19	27	S15 AND S18
S20	24	S19 NOT (S10 OR S13)
S21	79	S17 NOT S19
S22	79	S21 AND IC=G06F-013

10/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013465245 **Image available**
WPI Acc No: 2000-637188/200061
Related WPI Acc No: 2000-222032
XRPX Acc No: N00-472486

**Data distribution method from network enabling input-output device,
involves transmitting preparation message to data receiving node
in response to initiation message**

Patent Assignee: AXIS COMMUNICATIONS AB (AXIS-N)
Inventor: ADOLFSSON J G F
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6092078	A	20000718	US 9866071	A	19980424	200061 B
			US 99368406	A	19990804	

Priority Applications (No Type Date): US 99368406 A 19990804; US 9866071 A
19980424

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6092078	A	32	G06F-017/30	CIP of application US 9866071

Abstract (Basic): US 6092078 A

NOVELTY - An initiation message is transmitted from a data receiving node (3104) to a network enabling input-output device (NEIOD). The NEIOD in response to initiation message, transmits a preparation message to the data receiving node and data is transmitted to the data receiving node over open data channel.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for network enabling input-output device.

USE - For operating peripheral data gathering devices on a network for data communication.

ADVANTAGE - Allows more complete integration and lower cost of combined call and replay module and peripheral device. Connection is kept open and updated data can be transmitted without waiting for a request for updated data.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram of construction of web page.

Data receiving node (3104)

pp; 32 DwgNo 4/18

Title Terms: DATA; DISTRIBUTE; METHOD; NETWORK; ENABLE; INPUT; OUTPUT;
DEVICE; TRANSMIT; PREPARATION; MESSAGE; DATA; RECEIVE; NODE; RESPOND;
INITIATE; MESSAGE

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/30

File Segment: EPI

10/5/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013147988 **Image available**
WPI Acc No: 2000-319860/200028
XRPX Acc No: N00-240074

**Multiple client access preventing method e.g. for datagram based control
protocols**

Patent Assignee: HEWLETT-PACKARD CO.(HEWP)

Inventor: GARCIA G R; KUMPF D A; SCOVILLE D L
Number of Countries: 026 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 991240	A2	20000405	EP 99111329	A	19990610	200028 B
JP 2000112867	A	20000421	JP 99259860	A	19990914	200031

Priority Applications (No Type Date): US 98163653 A 19980930

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
-----------	------	--------	----------	--------------

EP 991240	A2	E	8 H04L-029/06	
-----------	----	---	---------------	--

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI

JP 2000112867	A	7	G06F-013/14
---------------	---	---	-------------

Abstract (Basic): EP 991240 A2

NOVELTY - The method involves a first client (12) sending an open connection request to the server (10) in an attempt to open a connection with the server. The server checks to determine if a **connection** with another client is currently **open**. The server accepts the connection request and stores predetermined client information in the event a connection with another client is not currently open. The client sends a datagram-based protocol request for a predetermined action to the server. The server determines if the predetermined action is a protected action and whether the request is from the client that has the currently open connection. The server **sends sending** an error **message** to any **client** not having a currently open connection which makes a datagram-based protocol request for a protected action. The server processes a datagram-based protocol request when made by the client having a currently open connection. One of the client and the server closing the open connection upon completion of an activity

DETAILED DESCRIPTION - . An INDEPENDENT CLAIM is included for (1) a method of preventing multiple client access via Simple Network Management Protocol

USE - For preventing multiple access of datagram based control protocols.

ADVANTAGE - Provides improved server which utilizes connectionless protocol for control data and connection oriented protocol for scan data.

DESCRIPTION OF DRAWING(S) - The figure shows an overview of the network system.

Server (10)

Client (12)

pp; 8 DwgNo 1/2

Title Terms: MULTIPLE; CLIENT; ACCESS; PREVENT; METHOD; BASED; CONTROL
Derwent Class: W01

International Patent Class (Main): G06F-013/14 ; H04L-029/06

International Patent Class (Additional): G06F-013/12 ; H04L-012/24

File Segment: EPI

10/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011140741 **Image available**

WPI Acc No: 1997-118665/199711

Related WPI Acc No: 1996-128908; 1996-200548; 1996-200598; 1996-277222;

1996-476625; 1996-518246; 1997-012257; 1997-020719; 1997-086933;

1997-107142; 1997-288840; 1997-448172; 1997-489169; 1998-311830;

1998-387481; 1998-456636; 1998-520608; 1999-120249; 1999-130759;

1999-394045; 1999-518122; 2002-401987

XRPX Acc No: N97-097808

**New client identification and bandwidth allocation system for audio/video
confrencing system** - has management computer that allocates bandwidth to
client computers for communication sessions over computer network

Patent Assignee: INTEL CORP (ITLC)

Inventor: MARSHALL R A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5600797	A	19970204	US 93157694	A	19931124	199711 B
			US 94340172	A	19941115	
			US 94340634	A	19941116	

Priority Applications (No Type Date): US 94340634 A 19941116; US 93157694 A
19931124; US 94340172 A 19941115

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5600797	A		20	G06F-013/00	CIP of application US 93157694
					CIP of application US 94340172
					CIP of patent US 5506954

Abstract (Basic): US 5600797 A

The system includes a management computer and one or more client computers interconnected over a computer network. The client computers can communicate over the computer network. The management computer allocates bandwidth to the client computers for communication sessions over the computer network. Each client computer that is participating in an **active communication session** periodically **transmits a message** over the **computer network** to inform the management computer of current status of the **active communication session**. If the management computer receives a message from a client computer about a communication session of which the management computer was not previously aware, then the management computer allocates bandwidth for the communication session.

ADVANTAGE - Provides efficient management of allocation of finite bandwidth available for conferences.

Dwg.2/6

Title Terms: NEW; CLIENT; IDENTIFY; BANDWIDTH; ALLOCATE; SYSTEM; AUDIO;
VIDEO; SYSTEM; MANAGEMENT; COMPUTER; ALLOCATE; BANDWIDTH; CLIENT;
COMPUTER; COMMUNICATE; SESSION; COMPUTER; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-013/00

File Segment: EPI

10/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011064671 **Image available**

WPI Acc No: 1997-042596/199704

XRPX Acc No: N97-035464

**Method of synchronously sharing data between several computer - involves
automatically determining whether shared space message indicative of
remotely recognised input has been received from remote computer system**

Patent Assignee: APPLE COMPUTER INC (APPY)

Inventor: FOSTER G S; TOU F N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
-----------	------	------	-------------	------	------	------

US 5583993 A 19961210 US 94189104 A 19940131 199704 B

Priority Applications (No Type Date): US 94189104 A 19940131

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5583993	A	18	G06F-015/16	

Abstract (Basic): US 5583993 A

The method involves activating a shared space session. A first shared space view is displayed on a screen of a first computer system when the shared space **session** is **active**. Whether an input has been made in the first shared space view of the first computer system is automatically determined when the first shared space view is displayed. The input in the first shared space view is implemented when it has been determined that the input has been made is the first shared space view. A shared space **message** is automatically **sent** to a remote **computer** system when the input has been implemented in the first shared space view. Whether a shared space message indicative of a remotely recognised input has been received from the remote computer system is automatically determined. The shared space message into the first shared space view is implemented when it has been determined that the shared space message has been received.

ADVANTAGE - Allows collaboration of ideas to occur in much same way as if participants were in same room and using same sheet of paper or blackboard.

Dwg.3/8

Title Terms: METHOD; SYNCHRONOUS; SHARE; DATA; COMPUTER; AUTOMATIC; DETERMINE; SHARE; SPACE; MESSAGE; INDICATE; REMOTE; RECOGNISE; INPUT; RECEIVE; REMOTE; COMPUTER; SYSTEM

Derwent Class: T01

International Patent Class (Main): G06F-015/16

File Segment: EPI

10/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

008254580 **Image available**

WPI Acc No: 1990-141581/199019

XRPX Acc No: N90-109781

Central and dynamic management for teleprocessor - has groups of non-focal point nodes working to master focal point nodes to exchange status and management data

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)

Inventor: COLE L J; FRANTZ C J; LEE J; ORDANIC Z; PLANK L K

Number of Countries: 014 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 367699	A	19900509	EP 89480131	A	19890906	199019 B
BR 8905539	A	19900529				199026
JP 2166943	A	19900627				199032
US 4995035	A	19910219	US 88265104	A	19881031	199110
CA 1319758	C	19930629	CA 607307	A	19890802	199332
EP 367699	B1	19940511	EP 89480131	A	19890906	199419
DE 68915246	E	19940616	DE 615246	A	19890906	199425
			EP 89480131	A	19890906	
ES 2054078	T3	19940801	EP 89480131	A	19890906	199432

Priority Applications (No Type Date): US 88265104 A 19881031

Cited Patents: 3.Jnl.Ref; A3...9144; EP 228634; EP 253421; NoSR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 367699	A				
Designated States (Regional): BE CH DE ES FR GB IT LI NL SE					
EP 367699	B1	E	19	H04L-012/24	
Designated States (Regional): BE CH DE ES FR GB IT NL SE					
DE 68915246	E			H04L-012/24	Based on patent EP 367699
ES 2054078	T3			H04L-012/24	Based on patent EP 367699
CA 1319758	C			G06F-015/16	

Abstract (Basic): EP 367699 A

The network is partitioned into Non-Focal Point (NFP) nodes and at least one Focal Point (FP) node assigned to provide management services to a selected group of NFP nodes and which has a sphere of control table (SOC) that includes a list of the NFP nodes it is servicing. Each NFP node has an authorisation table that identifies the FP node that services it.

A "Request to be Your Focal Point" **message** is **generated** at an FP **node** and sent to active NFP nodes. NFP nodes respond only after ascertaining that the FP node is their primary focal point node for the service concerned, thereafter generating and forwarding information e.g. error messages to the FP node.

ADVANTAGE - Flexible. Overlapping control possible. Secondary and backup status can be included. (19pp Dwg.No.1/11

Title Terms: CENTRAL; DYNAMIC; MANAGEMENT; GROUP; NON; FOCUS; POINT; NODE; WORK; MASTER; FOCUS; POINT; NODE; EXCHANGE; STATUS; MANAGEMENT; DATA

Derwent Class: W01

International Patent Class (Main): G06F-015/16 ; H04L-012/24

International Patent Class (Additional): G06F-013/14 ; H04J-003/16

File Segment: EPI

13/5/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05575617 **Image available**
MULTI-PROCESSOR SYSTEM

PUB. NO.: 09-190417 [JP 9190417 A]
PUBLISHED: July 22, 1997 (19970722)
INVENTOR(s): OKOCHI TOSHIO
KITAI KATSUYOSHI
YOSHIZAWA SATOSHI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 08-001859 [JP 961859]
FILED: January 10, 1996 (19960110)
INTL CLASS: [6] G06F-015/163
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)

ABSTRACT

PROBLEM TO BE SOLVED: To give the message that a processing request destination computer is in an idle state to a request source computer in an early stage when the computer capable of being transited to the idle state is used.

SOLUTION: The processors 102 of the respective computers 101 are constituted so as to be capable of being transited to the idle state. When the computer provided with the processor in the idle state receives a certain message from another computer, the message that the processor is in the idle state is generated and transmitted to the request source. When the message is a processing request, the processor is started and shifted to a stand-by state. As soon as the message is received, the request source transmits the processing request again so that the request destination computer receiving the request is already in the stand-by state and the request is immediately processed

13/5/6 (Item 6 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05229739 **Image available**
DEVICE AND METHOD FOR DECIDING ACTUATION

PUB. NO.: 08-185239 [JP 8185239 A]
PUBLISHED: July 16, 1996 (19960716)
INVENTOR(s): KOJIMA HIROTAKA
OFUJI SHINKO
APPLICANT(s): NEC HOME ELECTRON LTD [000193] (A Japanese Company or Corporation), JP (Japan)
NEC ROBOTICS ENG LTD [491062] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 06-325316 [JP 94325316]
FILED: December 27, 1994 (19941227)
INTL CLASS: [6] G06F-001/00 ; G06F-001/24
JAPIO CLASS: 45.9 (INFORMATION PROCESSING -- Other)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)

ABSTRACT

PURPOSE: To conduct a self-diagnosis of whether the device is normal or not with constitution which is inexpensive in economy and simple by providing

an operation holding circuit which holds a 1st state in response to a 1st level signal and is inverted from the 1st state to a 2nd state in response to a 2nd level signal.

CONSTITUTION: A low-level signal L is outputted as the 1st level signal to a 1st terminal PA. At this time, a 2nd terminal PB is in a high impedance state, and consequently the 2nd terminal PB is in a low-level state. In this state, a high-level signal is outputted as the 2nd level signal to the 2nd terminal PB. Once the high-level signal is supplied to the 2nd terminal PB, a 2nd transistor(TR) Q(sub 2) turns ON and then a 1st TR Q(sub 1) also turns ON. When both the TRs Q(sub 1) and Q(sub 2) turn on, a source voltage V(sub ss) is supplied to the 1st terminal PA through the 1st TR Q(sub 1) and a resistance R(sub 1), and consequently the 1st terminal PA changes into the high-level state.

13/5/7 (Item 7 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05033173 **Image available**
STATE MONITORING METHOD FOR COMPUTER SYSTEM CONNECTED TO NETWORK .

PUB. NO.: 07-325773 [JP 7325773 A]
PUBLISHED: December 12, 1995 (19951212)
INVENTOR(s): YOSHIMORI NORITOSHI
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 06-119196 [JP 94119196]
FILED: May 31, 1994 (19940531)
INTL CLASS: [6] G06F-013/00 ; G06F-011/30
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units)

ABSTRACT

PURPOSE: To omit the intervention of an operator in a state monitoring mode in order to improve the reliability and also to reduce the load needed for a state monitoring operation.

CONSTITUTION: A virtual host computer 3a receives the messages from other computers 3a to 3d at each fixed interval and writes the data on these message transmitter computers into a state monitor map. Then the computer 3a returns the answer messages to the transmitter computers to show the normal reception of those received messages. Thus the computer 3a monitors the states of the computers 3b to 3d based on the state monitor map and also sends this map to each of these computers as an answer message. If the virtual computer 3a has a fault, one of computers 3b to 3d carries on the state monitoring operation in place of the faulty computer 3a. Furthermore the present time information on the computer 3a is added to an answer message and transmitted.

13/5/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

04551056 **Image available**
MONITOR SYSTEM USING ELECTRONIC MAIL

PUB. NO.: 06-222956 [JP 6222956 A]

PUBLISHED: August 12, 1994 (19940812)
INVENTOR(s): ISHIMARU MASAHIKO
YAMAGISHI TADASHI
FUJITA FUJIO
ICHIKAWA YOSHIKAZU
NANBA HIDEKI
ITO TSUTOMU
HIRANO MICHIO
HIROZAWA TOSHIO
KAMIOKA KOJI
KUNINISHI MOTOHIDE
SASAKI SHIGERU
KAMITSUMA KAORU
NAKAMURA NORIYUKI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
HITACHI SOFTWARE ENG CO LTD [472485] (A Japanese Company or
Corporation), JP (Japan)
HITACHI ELECTRON SERVICE CO LTD [403387] (A Japanese Company
or Corporation), JP (Japan)
APPL. NO.: 05-009190 [JP 939190]
FILED: January 22, 1993 (19930122)
INTL CLASS: [5] G06F-011/30 ; H04L-012/54; H04L-012/58
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
44.3 (COMMUNICATION -- Telegraphy)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &
Microprocessors); R139 (INFORMATION PROCESSING -- Word
Processors)
JOURNAL: Section: P, Section No. 1826, Vol. 18, No. 600, Pg. 161,
November 15, 1994 (19941115)

ABSTRACT

PURPOSE: To monitor the state of the system at an electronic mail terminal
by using electronic mail suitable for monitoring the state of a host
computer through the electronic mail terminal.

CONSTITUTION: Working state information request mail is transmitted from
the mail terminal connected to an electronic mail system 2 constituted on a
first computer system 1 to the electronic mail system 2 so as to request
the report of the working states of a **second** computer system and a
related facility connected to the second computer system. This electronic
mail system 2 transmits the received working state report request mail to
the second computer system, and the working states of the **second**
computer system and the related facility connected to the **second**
computer system are **transmitted** through the **electronic mail** system
2 to the mail **terminal** as **state** information mail. This monitor system
uses such electronic mail.

13/5/9 (Item 9 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

04393964 **Image available**
REMOTE TERMINAL FAULT CONTROL SYSTEM

PUB. NO.: 06-037864 [JP 6037864 A]
PUBLISHED: February 10, 1994 (19940210)
INVENTOR(s): HOSoyAMADA NORIHISA
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)

APPL. NO.: 04-186403 [JP 92186403]
FILED: July 14, 1992 (19920714)
INTL CLASS: [5] H04L-029/14; G06F-013/00 ; H04L-012/44
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 45.2 (INFORMATION
PROCESSING -- Memory Units)
JOURNAL: Section: E, Section No. 1549, Vol. 18, No. 260, Pg. 31, May
18, 1994 (19940518)

ABSTRACT

PURPOSE: To ensure the unitary control of the terminal faults and to early restore these faults by transmitting and receiving the fault information through the remote terminal control systems of both terminal and host sides and updating periodically a data base file to display or print the fault information.

CONSTITUTION: A system controller 14 produces a fault confirming message through a remote terminal system 2 and sends the message to a remote terminal control system 7 in response to an inquiry given from an operation control terminal for the fault state. The system 7 retrieves a terminal fault control file 11 and produces a fault report message to send it to the system 2. The system 2 receives the fault report message and updates a fault state data base 9 with a terminal name used as a key. Then the system 2 shows a working state list and the fault state on the screen of a terminal display device 5 or prints them by a printer 13 in response to the request of the controller 14. In such a constitution, the unitary control is attained to the faults of the host side and the terminal faults can be early restored.

13/5/10 (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

04258602 **Image available**
MULTI-MICROPROCESSOR SYSTEM AND SERIAL DATA TRANSFER CIRCUIT

PUB. NO.: 05-250302 [JP 5250302 A]
PUBLISHED: September 28, 1993 (19930928)
INVENTOR(s): NAKAMURA HIDEKI
APPLICANT(s): NEC ENG LTD [329822] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 04-048410 [JP 9248410]
FILED: March 05, 1992 (19920305)
INTL CLASS: [5] G06F-013/14 ; G06F-013/00 ; G06F-015/16
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.1
(INFORMATION PROCESSING -- Arithmetic Sequence Units); 45.4
(INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers &
Microprocessors)
JOURNAL: Section: P, Section No. 1671, Vol. 18, No. 11, Pg. 145,
January 10, 1994 (19940110)

ABSTRACT

PURPOSE: To constitute a high-speed serial data transfer line by connecting plural microprocessor systems by a looped data transmission line when the microprocessor systems are used and transmit and receive data to one another.

CONSTITUTION: Microprocessor systems (A)101-(n)10n as (n) microprocessor systems are mutually connected in a loop shape by a data transmission line

CH and a receiving node select signal line L. IN regard to the microprocessor, only the desired receiving node receives the data by sending a receiving node0 select signal S specifying a receiving node as a previously set state through the receiving node select signal line L in the previously set state ; and other nodes are bypassed to eliminate the need for data reception, thereby speeding up the data transfer.

13/5/11 (Item 11 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

04111382 **Image available**
DUPLICATE CONTROL CIRCUIT

PUB. NO.: 05-103082 [JP 5103082 A]
PUBLISHED: April 23, 1993 (19930423)
INVENTOR(s): INOUE KOICHI
URAI ATSUO
APPLICANT(s): MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-263472 [JP 91263472]
FILED: October 11, 1991 (19911011)
INTL CLASS: [5] H04M-003/22; G06F-001/18 ; G06F-001/26 ; H04J-003/04; H04Q-003/545
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone); 44.2 (COMMUNICATION -- Transmission Systems); 45.9 (INFORMATION PROCESSING -- Other)
JOURNAL: Section: E, Section No. 1418, Vol. 17, No. 456, Pg. 136, August 20, 1993 (19930820)

ABSTRACT

PURPOSE: To attain correct duplicate control by warranting the contact between pins and a mother board at the insertion/withdrawal in a live line state in the duplicate control circuit used for a circuit having a power application sequence.

CONSTITUTION: In the duplicate control circuits 1, 2 one of which acts like a master and the other of which acts like a slave through the setting of a mother board or the software control, when the length of pins of power terminals 11-14 is devised to be longer than the length of the other terminals in order to provide a power application sequence, the circuits 1, 2 are provided with malfunction prevention signal terminals 5, 6 whose length is the same as the length of other terminals 3, 4, 7-10 and with logic circuits 102, 202 confirming the output state of output terminals 9, 10 based on the output state of input terminals 7, 8 after the terminals 5, 6 are in contact with the mother board and earthing.

13/5/12 (Item 12 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

03484244 **Image available**
DIAGNOSTIC DEVICE FOR PROGRAM FOR AUTOMATIC TRANSACTION MACHINE

PUB. NO.: 03-147144 [JP 3147144 A]
PUBLISHED: June 24, 1991 (19910624)
INVENTOR(s): MATSUDA KYOKO
APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or

Corporation), JP (Japan)
APPL. NO.: 01-284776 [JP 89284776]
FILED: November 02, 1989 (19891102)
INTL CLASS: [5] G06F-011/28 ; G06F-015/30 ; G07D-009/00
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units);
29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.4
(INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD: R087 (PRECISION MACHINES -- Automatic Banking); R131
(INFORMATION PROCESSING -- Microcomputers & Microprocessors)
JOURNAL: Section: P, Section No. 1255, Vol. 15, No. 376, Pg. 32,
September 24, 1991 (19910924)

ABSTRACT

PURPOSE: To easily diagnose a program to be diagnosed without altering it while maintaining the state as it is by providing a pseudo input/output control part, which executes an operation equivalent with an input/output control part, between first and second computers.

CONSTITUTION: Between first and second computers 20 and 22, a pseudo input/output control part 25 is provided to execute the operation equivalent with the input/output control part. As a result, the program to be diagnosed executes an operation similar to be loaded to a real automatic transaction machine on the first computer 20, and the input/output signal is also exchanged completely without being different from the real automatic transaction machine. In such a state, when the second computer 22 generates the output signal in the completely same form as a real input/output device, the program to be diagnosed executes the operation corresponding to the output signal. Thus, when the input/output signal to be generated in various abnormal states is generated in the second computer 22, the operation of the program to be diagnosed to the various abnormal states can be continuously diagnosed at high speed.

13/5/13 (Item 13 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

02067217 **Image available**
ELECTRONIC APPARATUS CAPABLE OF USING EXTENSION MEMORY CARTRIDGE

PUB. NO.: 61-281317 [JP 61281317 A]
PUBLISHED: December 11, 1986 (19861211)
INVENTOR(s): TAKASE HITOSHI
APPLICANT(s): SANYO ELECTRIC CO LTD [000188] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 60-117580 [JP 85117580]
FILED: May 30, 1985 (19850530)
INTL CLASS: [4] G06F-001/00 ; G06F-001/00 ; G11C-005/00
JAPIO CLASS: 45.9 (INFORMATION PROCESSING -- Other); 45.2 (INFORMATION PROCESSING -- Memory Units)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)
JOURNAL: Section: P, Section No. 574, Vol. 11, No. 144, Pg. 85, May 12, 1987 (19870512)

ABSTRACT

PURPOSE: To prevent the runaway of a program by setting one specified terminal to a non-connecting state more quickly than other terminal and applying a reset to a program operation, when drawing out an extension memory cartridge.

CONSTITUTION: A home controller which can use an extension memory cartridge is constituted of a CPU 1, a CRT control circuit 2, a display memory 3, an I/O port 4, a main memory 5, a register 6, a card edge connector 7, a power-on reset signal generating circuit 14, etc. In this case, in connecting terminals of this cartridge, a CO terminal 21 is made shorter than **other terminal** and connected to a ground **terminal** 20. Also, a reset **signal generating** circuit 13 for detecting a connection release of this CO **terminal** 21, and **sending** out a reset **signal** is **provided**. In this state, in case of drawing out the cartridge, the CO terminal 21 becomes a connection release **state** more quickly than **other terminal**, and it is monitored and the reset signal is sent out, therefore, the whole device can be set to its initial state exactly.

13/5/14 (Item 14 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

01178192 **Image available**
AUTOMATIC PICTURE DRAWING METHOD

PUB. NO.: 58-115592 [JP 58115592 A]
PUBLISHED: July 09, 1983 (19830709)
INVENTOR(s): NODA HIDEO
APPLICANT(s): MUTOH IND LTD [328148] (A Japanese Company or Corporation),
JP (Japan)
APPL. NO.: 56-212352 [JP 81212352]
FILED: December 29, 1981 (19811229)
INTL CLASS: [3] G06K-015/22; B43L-013/00; G06F-003/13
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 30.1
(MISCELLANEOUS GOODS -- Office Supplies)
JAPIO KEYWORD:R060 (MACHINERY -- Automatic Design)
JOURNAL: Section: P, Section No. 228, Vol. 07, No. 228, Pg. 6, October
08, 1983 (19831008)

ABSTRACT

PURPOSE: To shorten the picture drawing time as the whole, by setting a rotative movement command considering the circumferential length of a drum so that the drum is not rotated over the half of the circumferential length by the rotative movement command.

CONSTITUTION: A comparator 48 compares values of input terminals A and B with each other, and signal '1' is supplied to one input terminal of an AND circuit 58 if $A < B$ is true, and **signal** '0' is **supplied** to one input **terminal** of the circuit 58 is $A \geq B$ is true. Signal '1' is supplied from a line 54 to the other input **terminal** of the circuit 58 in the pen up state, and **signal** '0' is **supplied** to this **terminal** from the line 54 in the pen down **state**; and when two input **terminals** of the circuit 58 are '1' together, **signal** '1' is **supplied** to a control input **terminal** B of a data selector 60. If the sign of X movement data is positive, signal '0' is supplied from a line 56 to a control input terminal A of the selector 60; and if the sign of X movement data is negative, signal '1' is supplied from the line 56 to the terminal A of the selector 60.

13/5/15 (Item 15 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

00266936
DATA TRANSMISSION SYSTEM

PUB. NO.: 53-068936 [JP 53068936 A]
PUBLISHED: June 19, 1978 (19780619)
INVENTOR(s): BANDO YASUYUKI
KAWAKAMI TOMOAKI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 51-144401 [JP 76144401]
FILED: December 01, 1976 (19761201)
INTL CLASS: [2] G06F-003/00 ; G06F-009/18
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 45.1
(INFORMATION PROCESSING -- Arithmetic Sequence Units); 44.2
(COMMUNICATION -- Transmission Systems)
JOURNAL: Section: E, Section No. 52, Vol. 02, No. 102, Pg. 5369,
August 23, 1978 (19780823)

ABSTRACT

PURPOSE: To prefer the terminal-which issued the starting request of the highest priority level-without starting data **transmission** simultaneously by setting **status signals other** from **terminal** discrimination as starting request at **different** times every **terminal** in case of establishment of half-duplex communication of one line.

13/5/18 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014890909 **Image available**
WPI Acc No: 2002-711615/200277
Related WPI Acc No: 2001-534715
XRPX Acc No: N02-561187

Operation state monitoring method for computers , involves performing asynchronous delivery of simultaneously sent multiple echo request messages to computers of message queuing system

Patent Assignee: MICROSOFT CORP (MICT)
Inventor: ARNON Y; HABUSHA U
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6446144	B1	20020903	US 9853415	A	19980401	200277 B
			US 2000717737	A	20001121	

Priority Applications (No Type Date): US 9853415 A 19980401; US 2000717737
A 20001121

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6446144	B1	14	G06F-013/14	Div ex application US 9853415	Div ex patent US 6205498

Abstract (Basic): US 6446144 B1

NOVELTY - Multiple echo request **messages sent** simultaneously are **delivered** asynchronously to multiple **computers** in the **message** queuing system. Echo response **message generated** after receiving an echo request **message** , is **delivered** to the response queue. Indicia indicating the in-operation **state** of one of the **computers** is provided on a video display.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for

operation state monitoring system.

USE - Operation state monitoring method for computers in message queuing system containing large number of networked computers in distributed processing network.

ADVANTAGE - Provides an efficient and flexible way for the administrator to monitor the operating states of multiple computers in the message queuing system by performing asynchronous message delivery. Adjusts incoming data flow dynamically, enables to **send** echo request **messages** to multiple **remote computers** simultaneously, ensures that the packets transmitted by the sending node are received in order and only once by the receiving node, ensures that the message arrival rate does not exceed the capability to handle the message packets, reduces data traffic for session connection and coordinates message transmissions in both directions to avoid transmission collisions.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram of the message queuing system.

pp; 14 DwgNo 2/9

Title Terms: OPERATE; STATE; MONITOR; METHOD; COMPUTER; PERFORMANCE; ASYNCHRONOUS; DELIVER; SIMULTANEOUS; SEND; MULTIPLE; ECHO; REQUEST; MESSAGE; COMPUTER; MESSAGE; QUEUE; SYSTEM

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/14

File Segment: EPI

13/5/19 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014869008 **Image available**

WPI Acc No: 2002-689714/200274

Related WPI Acc No: 2001-579051

XRPX Acc No: N02-543985

Adding a new node to a ring computer network involves entering idle state if determined source of second message, received by second node, is a node other than first node

Patent Assignee: CISCO TECHNOLOGY INC (CISC-N)

Inventor: BATES T; CHIN H W; DARUWALLA F; SUWALA G; TSIANG D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6430700	B1	20020806	US 9867482	A	19980427	200274 B
			US 2001910467	A	20010719	

Priority Applications (No Type Date): US 9867482 A 19980427; US 2001910467 A 20010719

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6430700	B1	19	G06F-011/00		Cont of application US 9867482 Cont of patent US 6269452

Abstract (Basic): US 6430700 B1

NOVELTY - The method involves **sending** a first **message** from the first **node** (202a) to a **second node** (202b) after detecting a situation by the first node. A fault recovery procedure is initiated in response to the first **message**. A second **message** is then **sent** from a new **node** to the **second node**. An idle **state** is entered if the determined source of the **second** message is a **node** other than the first **node**.

DETAILED DESCRIPTION - The first node is adjacent the second node

prior to the addition of the new node, but is no longer adjacent to the second node subsequent to the addition of the new node. The source of the second message is determined to be a node other than the first node after the reception of the second message at the second node from the new node. INDEPENDENT CLAIMS are included for the following:

(a) the fault recovery system for ring computer network;
(b) and the computer program product for fault recovery in a ring computer.

USE - Adding a new node to a ring computer network.

ADVANTAGE - Provides protection protocol for fault recovery for a two line bidirectional ring network. Simplifies coordination required by the nodes in a ring network, in which nodes do need to maintain a topology map of the ring, identifying and locating each node in the ring, for effective protection. Provides multiple levels of protection priority.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of a ring network utilizing a protection protocol.

First node (202a)

Second node (202b)

pp; 19 DwgNo 2/12

Title Terms: ADD; NEW; NODE; RING; COMPUTER; NETWORK; ENTER; IDLE; STATE; DETERMINE; SOURCE; SECOND; MESSAGE; RECEIVE; SECOND; NODE; NODE; FIRST; NODE

Derwent Class: T01; W01

International Patent Class (Main): G06F-011/00

File Segment: EPI

13/5/25 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014417411 **Image available**

WPI Acc No: 2002-238114/200229

Related WPI Acc No: 2001-167450; 2002-224368

XRFX Acc No: N02-183381

Communication system monitoring method for broadband communication network, involves monitoring generated laser signal and frequency shifted data signals at central office which are transmitted from remote node

Patent Assignee: AT & T CORP (AMTT)

Inventor: DARCIE T E; GNAUCK A H; LU X

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010038611	A1	20011108	US 97908498	A	19970807	200229 B
			US 2000657292	A	20000907	
			US 2001905955	A	20010717	

Priority Applications (No Type Date): US 97908498 A 19970807; US 2000657292 A 20000907; US 2001905955 A 20010717

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20010038611	A1		5 G06F-011/00	Cont of application US 97908498
				Div ex application US 2000657292
				Cont of patent US 6137780
				Div ex patent US 6292469

Abstract (Basic): US 20010038611 A1

NOVELTY - An upstream of laser signal generated is transmitted to a central office (CO) (110) and downstream of optical signals are

converted into electrical signal. A portion of downstream signals are mixed at a **node** (140) remote from CO to **generate** upstream frequency shifted data **signals** which are optically **transmitted** to CO, where **state** of remote **node** is determined by monitoring **generated** laser **signal** and frequency shifted data signals.

USE - Used in broadband communication network for monitoring state of communication system remotely located from central office in communication technology.

ADVANTAGE - Integrity of transmission paths in a communication network is improved and remote active components are successfully monitored.

DESCRIPTION OF DRAWING(S) - The figure illustrates a block diagram of bi-directional communication system.

Central office (110)

Node (140)

pp; 5 DwgNo 1/3

Title Terms: COMMUNICATE; SYSTEM; MONITOR; METHOD; BROADBAND; COMMUNICATE; NETWORK; MONITOR; GENERATE; LASER; SIGNAL; FREQUENCY; SHIFT; DATA; SIGNAL ; CENTRAL; OFFICE; TRANSMIT; REMOTE; NODE

Derwent Class: T01; W01; W02

International Patent Class (Main): G06F-011/00

File Segment: EPI

13/5/29 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014044180 **Image available**

WPI Acc No: 2001-528393/200158

XPX Acc No: N01-392066

Crash recovery method for database management, involves updating active transaction status at specific node , during crash, by generating vote message to destination nodes participating in transaction

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: CHANG A; HSIAO H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6247023	B1	20010612	US 98120381	A	19980721	200158 B

Priority Applications (No Type Date): US 98120381 A 19980721

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6247023	B1	9	G06F-012/00	

Abstract (Basic): US 6247023 B1

NOVELTY - Active transaction **status** at specific **node** is updated during crash, by **generating** vote **message** to **destination nodes** participating in the transaction. Response replies are gathered corresponding to the vote message, based on which transaction is finalized.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for database crash recovery system.

USE - For database management in parallel data processing environment.

ADVANTAGE - Transaction interruptions can be easily identified and recovered.

DESCRIPTION OF DRAWING(S) - The figure explains process flow of crash recovery.

pp; 9 DwgNo 2/3
Title Terms: CRASH; RECOVER; METHOD; DATABASE; MANAGEMENT; UPDATE; ACTIVE;
TRANSACTION; STATUS; SPECIFIC; NODE; CRASH; GENERATE; VOTE; MESSAGE;
DESTINATION; NODE; PARTICIPATING; TRANSACTION
Derwent Class: T01
International Patent Class (Main): G06F-012/00
File Segment: EPI

13/5/30 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013889231 **Image available**
WPI Acc No: 2001-373444/200139
XRPX Acc No: N01-273131

Information providing method for client system in computer network,
involves adding status information components to parent frame relevant to
received sequence and updating status information partially by sub-frames
Patent Assignee: COMPAQ COMPUTER CORP (COPQ)
Inventor: HURLEY P M

Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6205474	B1	20010320	US 9860066	A	19980414	200139 B

Priority Applications (No Type Date): US 9860066 A 19980414

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6205474	B1	19	G06F-015/16	

Abstract (Basic): US 6205474 B1

NOVELTY - Service requests for recognizing **status** information are
output from **clients** using HTML language. A parent frame is indicated
at the **client** , in response to the **message** from **server** . Sub-frames
are **created** from the parent frame. Status information components are
added in the parent frame relevant to receiving sequence. Each
components is updated using the sub-frames.

USE - For client system in computer network e.g. Internet.

ADVANTAGE - Shortens information retrieval and network resource
usage level time utilizing improving service efficiency.

DESCRIPTION OF DRAWING(S) - The figure describes the steps involved
in retrieving information by client system from server.

pp; 19 DwgNo 5/9

Title Terms: INFORMATION; METHOD; CLIENT; SYSTEM; COMPUTER; NETWORK; ADD;
STATUS; INFORMATION; COMPONENT; PARENT; FRAME; RELEVANT; RECEIVE;
SEQUENCE; UPDATE; STATUS; INFORMATION; SUB; FRAME
Derwent Class: T01
International Patent Class (Main): G06F-015/16
File Segment: EPI

13/5/32 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

012457219 **Image available**
WPI Acc No: 1999-263327/199922
XRPX Acc No: N99-196146

Virtual route resynchronization method in data communication network

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BASKEY M E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5894547	A	19990413	US 91722720	A	19910627	199922 B
			US 94245053	A	19940517	

Priority Applications (No Type Date): US 91722720 A 19910627; US 94245053 A 19940517

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5894547	A	9	G06F-011/00	Cont of application US 91722720

Abstract (Basic): US 5894547 A

NOVELTY - The request from first node is sent to **second** node over a second route between **nodes** for **status** information indicating **messages** previously **transmitted** over the first route, based on which a **status** information from the second **node** is **sent** to the first **node** . **Message transmission** between the **nodes** over the first route is resumed according to transmitted status information.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for virtual route synchronization apparatus.

USE - In data communication network used to transmit information between geographically dispersed computers and between user devices such as computer terminals or workstations and host computer applications.

ADVANTAGE - Enables quick resynchronization of message traffic with low system processing overhead.

DESCRIPTION OF DRAWING(S) - The figure represents flowchart describing the virtual route resynchronization process.

pp; 9 DwgNo 6/6

Title Terms: VIRTUAL; ROUTE; METHOD; DATA; COMMUNICATE; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-011/00

File Segment: EPI

13/5/33 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011931983 **Image available**

WPI Acc No: 1998-348893/199830

XRFX Acc No: N98-272288

Computer program for providing load balancing and failover of network services e.g. internet - includes computer usable medium with computer readable code embodied for causing re-assignment of computer services from one host to any of number of other hosts within service group

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: LIM S B; RADIA S R; SINGHAI A

Number of Countries: 019 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9826553	A1	19980618	WO 97US22117	A	19971206	199830 B
US 5938732	A	19990817	US 96763289	A	19961209	199939
EP 978184	A1	20000209	EP 97952269	A	19971206	200012
			WO 97US22117	A	19971206	
JP 2002500785	W	20020108	WO 97US22117	A	19971206	200206
			JP 98526795	A	19971206	

Priority Applications (No Type Date): US 96763289 A 19961209

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9826553 A1 E 45 H04L-029/06

Designated States (National): JP

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC
NL PT SE

US 5938732 A G06F-013/38

EP 978184 A1 E H04L-029/06 Based on patent WO 9826553

Designated States (Regional): DE FR GB IT NL SE

JP 2002500785 W 50 G06F-015/177 Based on patent WO 9826553

Abstract (Basic): WO 9826553 A

The program includes a computer usable medium with computer readable code embodied for causing re-assignment of computer services from one host to any of a number of other hosts within a service group. A first computer readable program code is configured to cause a computer to transmit a message setting forth the state of the computer. A second computer readable program code is configured to cause a computer to receive a message from other computer. A third computer readable program code is configured to respond to messages to acquire or release computer services. The messages to acquire or release computer services are the result of the failure of another host within the service group. The messages to acquire or release computer services are the result of load balancing within the service group. A service group comprising a number of host computers is established, which can provide a computing service.

ADVANTAGE - Can be added or removed without reconfiguring remainder of system forming network.

Dwg.1a,/6

Title Terms: COMPUTER; PROGRAM; LOAD; BALANCE; NETWORK; SERVICE; COMPUTER; MEDIUM; COMPUTER; READ; CODE; EMBODY; CAUSE; ASSIGN; COMPUTER; SERVICE; ONE; HOST; NUMBER; HOST; SERVICE; GROUP

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/38 ; G06F-015/177 ;
H04L-029/06

International Patent Class (Additional): G06F-009/46 ; G06F-013/00 ;
G06F-015/17 ; H04L-029/14

File Segment: EPI

13/5/37 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011728201 **Image available**

WPI Acc No: 1998-145111/199813

XRPX Acc No: N98-114854

**Message status reporting in a multi-node data processing system -
transmits lock-up or link-cancel messages depending upon the success of a
message transfer attempt.**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: ANNAPAREDDY N L; BRADY J T; FINNEY D W; FREITAS R F; KO M A;

RAYFIELD M J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5717862	A	19980210	US 95429702	A	19950427	199813 B

Priority Applications (No Type Date): US 95429702 A 19950427

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 5717862 A 7 G06F-013/00

Abstract (Basic): US 5717862 A

A number of copies of a message are transmitted in the direction of the **destination** node via a number of paths to a number of child **nodes**, which in turn **transmit** the **message** to further child **nodes**. If a node is in a busy **state** it transmits to its parent **node** a **'Link cancel'** status message indicating that the link is to be severed. The parent **node** then **transmits** the **status message** to its own parent **node**.

When the **destination node** receives the **message** it **transmits** a **'Lock-up'** **message** to the parent **node** from which it received the **message**. The parent **node** **transmits** the **'Lock-up'** **message** further when it has received status messages from all of its child **nodes**, ensuring that the source node knows that when it receives the **'Lock-up'** message all the child nodes have dumped their duplicate copies of the original message.

ADVANTAGE - Unsuccessfully transmitted message copies are quickly eliminated from communication pathways. Data transmissions are controlled to accommodate clock variations in different nodes.

Dwg.2/3

Title Terms: MESSAGE; STATUS; REPORT; MULTI; NODE; DATA; PROCESS; SYSTEM;
TRANSMIT; LOCK; UP; LINK; CANCEL; MESSAGE; DEPEND; SUCCESS; MESSAGE;
TRANSFER; ATTEMPT

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00

File Segment: EPI

13/5/38 (Item 23 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011675044 **Image available**

WPI Acc No: 1998-091953/199809

XRPX Acc No: N98-073186

Distributed process management system for program control in computer system - has three system process management units for program control such that processing result of one system process management unit is reported to other system process monitoring circuits

Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9319720	A	19971212	JP 96137987	A	19960531	199809 B

Priority Applications (No Type Date): JP 96137987 A 19960531

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
JP 9319720 A 11 G06F-015/16

Abstract (Basic): JP 9319720 A

The system includes three system process management units for program control. A self-system process management unit controls the execution of a program in a self-system computer connected to other system computers via a network. The self-system process management unit demands the start, the termination, and synchronisation of the program

and performs the transmission of a signal. Commands corresponding to the execution start and synchronisation of the program in **other system computers** are published together with the **signal transmission** request by **other system computers**.

A self-system process monitoring circuit monitors the state of the program operating in other system computers. The published requests of other system computers are received by the self-system process management unit. The processing result of the self-system process management unit in the self-system computer is reported to other system process monitoring circuits.

ADVANTAGE - Confirms request of **transmitting** data and program **signal** by published **computer**. Load and **state** of **other system computers** can be recognised by self-system computer. Restrains generation of fault.

Dwg.1/10

Title Terms: DISTRIBUTE; PROCESS; MANAGEMENT; SYSTEM; PROGRAM; CONTROL; COMPUTER; SYSTEM; THREE; SYSTEM; PROCESS; MANAGEMENT; UNIT; PROGRAM; CONTROL; PROCESS; RESULT; ONE; SYSTEM; PROCESS; MANAGEMENT; UNIT; SYSTEM; PROCESS; MONITOR; CIRCUIT

Derwent Class: T01; U21

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-011/16 ; G06F-011/30 ; G06F-013/00

File Segment: EPI

13/5/40 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011286073 **Image available**

WPI Acc No: 1997-263978/199724

XRPX Acc No: N97-218315

Message transmitting method used in client server communication - involves retransmitting message to clients from server by managing message reception state of clients

Patent Assignee: NIPPON TELEGRAPH & TELEPHONE CORP (NITE)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9091218	A	19970404	JP 95247957	A	19950926	199724 B
JP 3326672	B2	20020924	JP 95247957	A	19950926	200264

Priority Applications (No Type Date): JP 95247957 A 19950926

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9091218	A		10	G06F-013/00	
JP 3326672	B2		11	H04L-012/56	Previous Publ. patent JP 9091218

Abstract (Basic): JP 9091218 A

The method involves using a **communication** network through which a **message** is **transmitted** to a number of **clients** from a **server**.

When all the **clients** have not received the **transmitted message**, the incomplete reception is notified to the **server**. The **server** retransmits the message to the client by managing the message receiving **state** of the **clients**.

ADVANTAGE - Prevents increase in waste communication. Improves rate of completion of message reception of client.

Dwg.1/12

Title Terms: MESSAGE; TRANSMIT; METHOD; CLIENT; SERVE; COMMUNICATE;

RETRANSMISSION; MESSAGE; CLIENT; SERVE; MANAGE; MESSAGE; RECEPTION; STATE
; CLIENT
Derwent Class: T01; W01
International Patent Class (Main): G06F-013/00 ; H04L-012/56
International Patent Class (Additional): H04L-001/16; H04L-012/18;
H04L-012/54; H04L-012/58
File Segment: EPI

13/5/42 (Item 27 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010992996 **Image available**
WPI Acc No: 1996-489945/199649
XRPX Acc No: N96-412877

Communication controller between computers - has connection state
distinction circuit that distinguishes whether there is voltage at
supervisory-signal terminal or communication path is detached from
computers

Patent Assignee: YOKOGAWA DENKI KK (YOKG)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8249258	A	19960927	JP 9550806	A	19950310	199649 B

Priority Applications (No Type Date): JP 9550806 A 19950310

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8249258	A		5 G06F-013/00	

Abstract (Basic): JP 8249258 A

The controller includes first and second connectors (35,36)
respectively linked to the first and second computers . A
communication signal line (31) is connected to a transceiver of each
computer . A communication signal feedback line (32) is formed
at a communication path to pass a standard voltage of the communication
line. A pair of ground terminals are provided to pass the standard
voltage of each computer. Supervisory-signal terminals are respectively
connected to each computer through a resistor. A first monitoring
signal line (37) connects one supervisory-signal terminal and the other
ground terminal. A second monitoring signal line (38) links the other
supervisory terminal and one ground terminal.

The voltage of the each supervisory terminal is input by a
connection state distinction circuit (12). When there is no voltage at
the supervisory-signal terminal , the connection state of the
computers is decided normal. When there is voltage at the supervisory-
signal terminal and the communication path is detached, it will be
distinguished by the connection state distinction circuit.

ADVANTAGE - Distinguishes connection state of computers easily.

Dwg.1/3

Title Terms: COMMUNICATE; CONTROL; COMPUTER; CONNECT; STATE; DISTINCT;
CIRCUIT; DISTINGUISH; VOLTAGE; SUPERVISION; SIGNAL; TERMINAL; COMMUNICATE
; PATH; DETACH; COMPUTER

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00
International Patent Class (Additional): G06F-011/30
File Segment: EPI

13/5/43 (Item 28 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010550042 **Image available**
WPI Acc No: 1996-046995/199605
XRPX Acc No: N96-039486

Multi-interface image scanner for information processing system - has
bidirectional interface units, which enables transmission of read image
data from one computer to another and transmission of busy state
signals to other computers when it is already accessed

Patent Assignee: SEIKO EPSON CORP (SHIH)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7311732	A	19951128	JP 94126897	A	19940517	199605 B

Priority Applications (No Type Date): JP 94126897 A 19940517

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 7311732	A		19 G06F-013/36	

Abstract (Basic): JP 7311732 A

The scanner reads an image data from an original image source (72) with the use of a photoelectric conversion unit (74). The scanner has a parallel interface (82) which is connected to a first computer (40), and an SCSI interface (84) which is connected to a second computer (42).

The bidirectional interfaces transmits the read image data from the first computer to the second computer or vice versa. If one of the computer has accessed the scanner, the other computer will receive a busy state signal from the scanner.

ADVANTAGE - Promotes efficient and flexible image scanning due to enabling of bidirectional image data transfer between several computers of different architecture. Enables transmission of busy state signals to other computers when computer has already accessed scanner, thus ensuring normal operation during simultaneous access. Effectively prevents computer operation hanging due to interface function, thus increasing efficiency of information processing.

Dwg.1/18

Title Terms: MULTI; INTERFACE; IMAGE; SCAN; INFORMATION; PROCESS; SYSTEM; BIDIRECTIONAL; INTERFACE; UNIT; ENABLE; TRANSMISSION; READ; IMAGE; DATA; ONE; COMPUTER; TRANSMISSION; BUSY; STATE; SIGNAL; COMPUTER; ACCESS

Derwent Class: T01; T04; W02

International Patent Class (Main): G06F-013/36

International Patent Class (Additional): G06T-001/60

File Segment: EPI

13/5/44 (Item 29 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010331825 **Image available**
WPI Acc No: 1995-233517/199531
XRPX Acc No: N95-182010

Controlling message transmission between multiple nodes - sending
conditional disconnect message after given amount of data has been
received

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: BRADY J T; FINNEY D W; LANG D J; MARENIN G B; NOWLEN D M; NOWLEN
D

Number of Countries: 004 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 661644	A2	19950705	EP 94309590	A	19941220	199531 B
EP 661644	A3	19960117	EP 94309590	A	19941220	199621
US 5613067	A	19970318	US 93176042	A	19931230	199717

Priority Applications (No Type Date): US 93176042 A 19931230

Cited Patents: No-SR.Pub; 1.Jnl.Ref; EP 482761; WO 8808167

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
-----------	------	--------	----------	--------------

EP 661644	A2 E	17	G06F-015/16	
-----------	------	----	-------------	--

Designated States (Regional): DE FR GB

US 5613067	A	15	G06F-013/20	
------------	---	----	-------------	--

EP 661644	A3		G06F-015/16	
-----------	----	--	-------------	--

Abstract (Basic): EP 661644 A

The method of controlling **transmission** involves **transmitting** a ready message from one **destination node** to a source node indicating that it can receive data. A data **message** is **sent** to the **destination node** from the source in response. A conditional disconnect **message** is **transmitted** from the **destination node** to the source after a **given** slice of the data **message** has been received.

When the source node receives the conditional disconnect message, it continues transmission until a given condition occurs. This condition may be that the **message** has been completely **transmitted**, that a disconnect **message** is received from the **destination node**, or that new ready message is received.

USE/ADVANTAGE - For data processing system. Allows part of data to be transmitted even if interruption occurs by use of conditional disconnect message.

Dwg.4/10

Title Terms: CONTROL; MESSAGE; TRANSMISSION; MULTIPLE; NODE; SEND;

CONDITION; DISCONNECT; MESSAGE; AFTER; AMOUNT; DATA; RECEIVE

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/20 ; G06F-015/16

International Patent Class (Additional): G06F-013/28

File Segment: EPI

13/5/46 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

010245883 **Image available**

WPI Acc No: 1995-147138/199519

XRPX Acc No: N95-115557

Computer network with message tracking system - has message progress reporting system using status word that enables source node to determine message's progress

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: GOULD J M; LACKRITZ N M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5404565	A	19950404	US 91741546	A	19910807	199519 B

US 94197004 A 19940215

Priority Applications (No Type Date): US 91741546 A 19910807; US 94197004 A 19940215

Patent Details:

Patent No	Kind	Lan	Pg	Main	IPC	Filing	Notes
US 5404565	A		13	G06F-013/00		Cont of application	US 91741546

Abstract (Basic): US 5404565 A

The network includes a source node in which a message is originated, a **destination node** : where inter- **node transmission** of the **message** is terminated and one or more intermediate node(s) through which the message travels before arriving at the **destination node** . The intermediate **nodes** are connected between the source and destination nodes.

The network includes a message progress reporting system through which a received **status** word enables a source **node** to determine a **message** 's **transmission** progress through the multiple **node** network. A node contain a transmitter coupled via communication links to a number of child **nodes** , for **transmitting** a **message** to at least one the child node.

USE/ADVANTAGE - For reporting max message progress in computer network. Provides each message transfer completion or error reports.

Dwg.3/9

Title Terms: COMPUTER; NETWORK; MESSAGE; TRACK; SYSTEM; MESSAGE; PROGRESS; REPORT; SYSTEM; STATUS; WORD; ENABLE; SOURCE; NODE; DETERMINE; MESSAGE; PROGRESS

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00

File Segment: EPI

13/5/50 (Item 35 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

009239105 **Image available**

WPI Acc No: 1992-366526/199244

Related WPI Acc No: 1997-549237

XRPX Acc No: N92-279341

Adaptive distributed system for network fault tolerance - uses communication between adjacent network nodes to test whether nodes are in desired or undesired state

Patent Assignee: UNIV CARNEGIE MELLON (UYCA-N)

Inventor: BIANCHINI R P

Number of Countries: 024 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9217961	A1	19921015	WO 92US2525	A	19920331	199244	B
AU 9217565	A	19921102	AU 9217565	A	19920331	199305	
			WO 92US2525	A	19920331		
ZA 9202378	A	19930224	ZA 922378	A	19920401	199315	
TW 213994	A	19931001	TW 92102495	A	19920401	199351	
EP 578730	A1	19940119	EP 92909308	A	19920331	199403	
			WO 92US2525	A	19920331		
US 5325518	A	19940628	US 91679446	A	19910402	199425	
EP 578730	A4	19950405	EP 92909308	A	19920000	199613	

Priority Applications (No Type Date): US 91679446 A 19910402

Cited Patents: 4.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9217961	A1	E	45	H04L-012/26	
Designated States (National): AU BR CA CS JP KR PL					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU MC NL SE					
AU 9217565	A			H04L-012/26	Based on patent WO 9217961
ZA 9202378	A		42	G06F-000/00	
EP 578730	A1	E	2	H04L-012/26	Based on patent WO 9217961
Designated States (Regional): DE GB					
US 5325518	A		16	G06F-011/00	
TW 213994	A			G06F-011/00	
EP 578730	A4			H04L-012/26	

Abstract (Basic): WO 9217961 A

The system (10) has a network (12) with N nodes (14), each able to execute a diagnosis algorithm. N is greater than or equal to 3 and each of the nodes is in communication with at least one other node by way of the network. Each node also has a way of testing whether a node is in a desired or undesired state, and which node to test based on the circumstances.

ADVANTAGE - Testing structure of algorithm is determined by fault situation in network, thus preventing faulty nodes from passing on erroneous results about rest of network.

Dwg.1a/15

Title Terms: ADAPT; DISTRIBUTE; SYSTEM; NETWORK; FAULT; TOLERANCE; COMMUNICATE; ADJACENT; NETWORK; NODE; TEST; NODE; UNDESIRABLE; STATE

Derwent Class: T01; W01

International Patent Class (Main): G06F-000/00 ; G06F-011/00 ;

H04L-012/26

File Segment: EPI

13/5/51 (Item 36 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

009230320 **Image available**

WPI Acc No: 1992-357740/199244

XRPX Acc No: N92-272630

Local area print server for data processing system - has resource data storage, status collector and resource manager device connected to network facility device for host nodes and resource server node

Patent Assignee: DIGITAL EQUIP CORP (DIGI)

Inventor: BELL G S; CARLSON A; COBB D S; MORGAN W E

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
CA 1307854	C	19920922	CA 571959	A	19880714	199244 B
US 5220674	A	19930615	US 8775047	A	19870717	199325
			US 90467327	A	19900118	

Priority Applications (No Type Date): US 8775047 A 19870717; US 90467327 A 19900118

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
CA 1307854	C		126	G06F-013/20	
US 5220674	A		31	G06F-013/38	Cont of application US 8775047

Abstract (Basic): CA 1307854 C

The local area print server is for connecting a printer to a data processing system via a local area network. The data processing system

includes host nodes and a resource **server** node. The local area print server has network facility device connected to the local area network for **transmitting** resource request **messages** to the resource **server** **node** and receiving printer resource data in response. A resource data storage device is connected to the network facility for storing printer resource data received from the resource server **node**. A **status** collector device is connected to the printer for receiving printer status messages. The printer status messages includes printer resource fault messages.

A resource manager device is connected to the network facility device, the resource data storage device, and the status collector device, for determining, upon receipt of a printer resource fault message by the status collector device. If required, resource data is stored in the resource data storage device and if so, for causing the required resource data to be transmitted to the printer, and if not, for forwarding a resource request message to the network facility device.

USE/ADVANTAGE - For producing printed records of data interchanged and generated by other elements of computer system. Higher speed processing of printing requests. smaller memory requirements of printer.

Dwg.1/13

Title Terms: LOCAL; AREA; PRINT; SERVE; DATA; PROCESS; SYSTEM; RESOURCE;
DATA; STORAGE; STATUS; COLLECT; RESOURCE; MANAGE; DEVICE; CONNECT;
NETWORK; FACILITY; DEVICE; HOST; NODE; RESOURCE; SERVE; NODE
Derwent Class: T01; W01
International Patent Class (Main): G06F-013/20 ; G06F-013/38
International Patent Class (Additional): G06F-003/12
File Segment: EPI

13/5/52 (Item 37 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

009182708 **Image available**
WPI Acc No: 1992-310145/199238
XRPX Acc No: N92-237399

**Peer layer protocol interaction synchronisation for communications -
allowing higher layers of two nodes on connection using asynchronous link
protocol to synchronise exchange of messages so that higher layers also
complete**

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)
Inventor: HIMWICH H; MASON J R; MCSWEENEY T P; VRABEL R A; WOLHAR L S;
HIMWICH H A

Number of Countries: 005 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 504087	A2	19920916	EP 92480024	A	19920211	199238 B
JP 5063758	A	19930312	JP 926092	A	19920117	199315
US 5235597	A	19930810	US 91667618	A	19910308	199333
EP 504087	A3	19930414	EP 92480024	A	19920211	199351

Priority Applications (No Type Date): US 91667618 A 19910308

Cited Patents: No-SR.Pub; 2.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 504087	A2	E	16	H04L-029/06	
Designated States (Regional): DE FR GB					
US 5235597	A		15	H04J-003/12	

JP 5063758 A H04L-029/10
EP 504087 A3 H04L-029/06

Abstract (Basic): EP 504087 A

In the method a message from upper layer of a node is sent to a lower layer of the same node and an initiation flag in messages is set to ON. In response to first message a second message is transmitted including a flag to a lower layer of second node, which is a command or a response in accordance with send process state of lower layer of first node. In upper layer of a node receipt is detected of a fourth messages from first node lower layer corresponding to third message from second node. If the initiating flag is ON, fourth messages determine primary or **secondary status** of a **node** according to predetermined criterion. If the **node** is primary, first **message** is **sent** , until flag is OFF, and all subsequent flags are set to ON relating to the first message. If the first node is secondary, the fourth message is discarded and the flag is set to OFF in subsequent messages.

ADVANTAGE - Protocol going on at higher layers of two nodes resolve in synchronisation with protocol going on at lower layers.

Dwg.1/10

Title Terms: PEER; LAYER; PROTOCOL; INTERACT; SYNCHRONISATION; COMMUNICATE; ALLOW; HIGH; LAYER; TWO; NODE; CONNECT; ASYNCHRONOUS; LINK; PROTOCOL; SYNCHRONISATION; EXCHANGE; MESSAGE; SO; HIGH; LAYER; COMPLETE

Derwent Class: T01; W01

International Patent Class (Main): H04J-003/12; H04L-029/06; H04L-029/10

International Patent Class (Additional): **G06F-013/00** ; H04L-012/56

File Segment: EPI

13/5/53 (Item 38 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

009006177 **Image available**

WPI Acc No: 1992-133477/199217

Related WPI Acc No: 1990-226356

XRFX Acc No: N92-099604

Multiprocessor network with message exchanger - uses strobe signals relayed from node to node and modified with synthetic clocking until destination of message is attained

Patent Assignee: INTEL CORP (ITLC)

Inventor: NUGENT S F

Number of Countries: 004 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4134012	A	19920416	DE 4134012	A	19911014	199217 B
GB 2249243	A	19920429	GB 9118463	A	19910829	199218
GB 2249243	B	19941005	GB 9118463	A	19910829	199437
SG 9500107	A	19950901	SG 95107	A	19950124	199546
US 5594866	A	19970114	US 89298551	A	19890118	199709
			US 90597073	A	19901015	
			US 93127081	A	19930923	
			US 96618037	A	19960318	

Priority Applications (No Type Date): US 90597073 A 19901015; US 89298551 A 19890118; US 93127081 A 19930923; US 96618037 A 19960318

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

DE 4134012	A		26		
------------	---	--	----	--	--

GB 2249243	A		50		
------------	---	--	----	--	--

SG 9500107	A				
------------	---	--	--	--	--

Previous Publ. patent GB 2249243

20/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014394544 **Image available**
WPI Acc No: 2002-215247/200227
XRPX Acc No: N02-164818

Active node identification method in computer network using Telnet protocol, involves generating invalid login command from one node, and checking response of refusing execution of login command by other nodes

Patent Assignee: CISCO TECHNOLOGY INC (CISC-N)

Inventor: CALABRESE J S; MORRIS H C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6347339	B1	20020212	US 98203546	A	19981201	200227 B

Priority Applications (No Type Date): US 98203546 A 19981201

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6347339	B1	11	G06F-015/173	

Abstract (Basic): US 6347339 B1

NOVELTY - An invalid login command (206) containing invalid login information, is generated from an **active node** to **another node** and **communicating network messages** for a predetermined period. The response of the **other node** of refusal to execute the login command, is checked for identifying the **node as active**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Network node;
- (b) Computer readable medium storing sequence of instructions for identifying **active nodes** in **computer network**;
- (c) **Active** node detection apparatus

USE - In computer networks using Telnet protocol for identifying **active nodes**.

ADVANTAGE - Enables easy identification of **active nodes** even by using invalid user identifier and user password parameters to a node.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the **active node** identifying method in **computer network**.

Invalid login command (206)
pp; 11 DwgNo 2/3

Title Terms: ACTIVE; NODE; IDENTIFY; METHOD; COMPUTER; NETWORK; PROTOCOL;
GENERATE; INVALID; COMMAND; ONE; NODE; CHECK; RESPOND; EXECUTE; COMMAND;
NODE

Derwent Class: T01

International Patent Class (Main): G06F-015/173

International Patent Class (Additional): G06F-015/16

File Segment: EPI

20/5/3 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

014326133 **Image available**
WPI Acc No: 2002-146835/200219

Related WPI Acc No: 1999-127849; 1999-138180; 2000-147004; 2002-153896;
2003-227898

XRPX Acc No: N02-111274

Message transmission control method in multiprocessor data processing system, involves initiating retransmission of data portion of message from source node , when space is available in buffer of destination node

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BENNER A F; DESNOYERS C M; JOSEPH D J; KAMPF F A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6337852	B1	20020108	US 97856619	A	19970513	200219 B
			US 97999177	A	19971229	

Priority Applications (No Type Date): US 97999177 A 19971229; US 97856619 A 19970513

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6337852	B1	10	G06F-015/16		CIP of application US 97856619
					CIP of patent US 5931915

Abstract (Basic): US 6337852 B1

NOVELTY - The data portion of a **message** and related control information are **transmitted** from a source **node** to a **destination node** . When there is no space in buffer to retain the data portion of the message, the data portion is discarded by the destination **node** . When space is **available** in the buffer, a retransmission of the data portion from the source node is initiated using the related control information.

USE - For controlling **transmission** of **messages** from the source **node** to the **destination node** in multiprocessor data processing system.

ADVANTAGE - Prevents the performance degradation associated with packet transmission after time-outs. Provides efficient transmission and flow control of messages.

DESCRIPTION OF DRAWING(S) - The figure shows a protocol diagram of flow control technique in which data portions of messages are discarded by the destination node and later retransmitted from source node in response to pull requests from destination node.

pp; 10 DwgNo 3/3

Title Terms: MESSAGE; TRANSMISSION; CONTROL; METHOD; MULTIPROCESSOR; DATA; PROCESS; SYSTEM; INITIATE; RETRANSMISSION; DATA; PORTION; MESSAGE; SOURCE ; NODE; SPACE; AVAILABLE; BUFFER; DESTINATION; NODE

Derwent Class: T01

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-011/00

File Segment: EPI

20/5/4 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014260989 **Image available**

WPI Acc No: 2002-081687/200211

Related WPI Acc No: 2000-223340

XRPX Acc No: N02-060772

Client connection re-establishment method in computer network, involves enabling client to send message to different network address associated with unique identifier of particular server

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: COTNER C L; PICKEL J W

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6247055	B1	20010612	US 96674239	A	19960628	200211 B
			US 98109528	A	19980702	

Priority Applications (No Type Date): US 96674239 A 19960628; US 98109528 A 19980702

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6247055	B1		17	G06F-015/16	Div ex application US 96674239
					Div ex patent US 6031978

Abstract (Basic): US 6247055 B1

NOVELTY - The client (131) receives an unique identifier assigned to particular **server** , during initial connection. The **client sends** a **message** to any active **server** in the **computer** network, to receive different network address associated with received identifier. The **client sends** another **message** to the different network address, to re-establish connection with the particular **server** .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Method for re-establishing connection to failed database manufacturing system (DBMS) server;
- (b) Method for establishing connection between client server;
- (c) System for re-establishing connection to failed DBMS server;
- (d) System for establishing connection between client and server;
- (e) Computer program product

USE - For enabling a client system networked in sysplex environment through TCP/IP network to locate specific server. Also for use with multiprocessor network, file server, print server, file transfer programs (FTP), etc.

ADVANTAGE - Preserves ability of client to access the sysplex seamlessly. Enhances work load balancing and data availability. Allows two-phase commit protocol to work properly even when DBMS server's network attributes are impacted.

DESCRIPTION OF DRAWING(S) - The figure shows the explanatory drawing of sysplex environment.

Client (131)

pp; 17 DwgNo 1/5

Title Terms: CLIENT; CONNECT; ESTABLISH; METHOD; COMPUTER; NETWORK; ENABLE; CLIENT; SEND; MESSAGE; NETWORK; ADDRESS; ASSOCIATE; UNIQUE; IDENTIFY; SERVE

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/16

File Segment: EPI

20/5/5 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

014050502 **Image available**

WPI Acc No: 2001-534715/200159

Related WPI Acc No: 2002-711615

XRPX Acc No: N01-396925

Message transfer session managing method for computer , involves transferring maximum number of message packets to node based on resource available on node by new window size

Patent Assignee: MICROSOFT CORP (MICT)
Inventor: ARNON Y; HABUSHA U
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6205498	B1	20010320	US 9853415	A	19980401	200159 B

Priority Applications (No Type Date): US 9853415 A 19980401

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6205498	B1		13 G06F-013/14	

Abstract (Basic): US 6205498 B1

NOVELTY - An acknowledgement time-out period is returned to a node from another node, based on which data packets are transmitted. A session acknowledgement with window size field specifying a new window size for message transfers message to dynamically adjust maximum number of message packets based on the resources **available** on the **node**, is sent to the previous node.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) System for managing message transfer session;

(b) Message transfer session managing program

USE - For managing message transfer session between nodes in computer.

ADVANTAGE - A multi-ping mechanism implemented with asynchronous message delivery allows an administrator to check the operating system of multiple computers in the message queuing system. A ping-originator application **sends** echo request **messages** to **remote computers** simultaneously.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram of nodes in a message route communicating with each other during message transfer session by passing packets.

pp; 13 DwgNo 3/9

Title Terms: MESSAGE; TRANSFER; SESSION; MANAGE; METHOD; COMPUTER; TRANSFER
; MAXIMUM; NUMBER; MESSAGE; PACKET; NODE; BASED; RESOURCE; AVAILABLE;
NODE; NEW; WINDOW; SIZE

Derwent Class: T01

International Patent Class (Main): G06F-013/14

File Segment: EPI

20/5/9 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

013010409 **Image available**

WPI Acc No: 2000-182261/200016

XRPX Acc No: N00-134514

Automated patient care management system

Patent Assignee: ALARIS MEDICAL SYSTEMS INC (ALAR-N); CHAMBERLAIN C
(CHAM-I); ENGLESON J J (ENGL-I)

Inventor: CHAMBERLAIN C; ENGLESON J J

Number of Countries: 087 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200003344	A1	20000120	WO 99US15500	A	19990709	200016 B
AU 9952097	A	20000201	AU 9952097	A	19990709	200028
EP 1097429	A1	20010509	EP 99937221	A	19990709	200128
			WO 99US15500	A	19990709	
JP 2002520718	W	20020709	WO 99US15500	A	19990709	200259

			JP 2000559521	A	19990709	
US 20030009244	A1	20030109	US 95440625	A	19950515	200311
			US 98114581	A	19980713	
			US 2002236368	A	20020906	

Priority Applications (No Type Date): US 98114581 A 19980713; US 95440625 A 19950515; US 2002236368 A 20020906

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200003344	A1	E	48	G06F-019/00	
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW					
AU 9952097	A			G06F-019/00	Based on patent WO 200003344
EP 1097429	A1	E		G06F-019/00	Based on patent WO 200003344
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE					
JP 2002520718	W		47	G06F-017/60	Based on patent WO 200003344
US 20030009244	A1			G05B-011/01	CIP of application US 95440625
					Cont of application US 98114581
					CIP of patent US 5781442

Abstract (Basic): WO 200003344 A1

NOVELTY - A local area network (50) with a file server (45) is connected to a pharmacy computer (60), a nursing station (70) and a bedside CPUs (80). The file server (45) stores programs and data which are input and collected by the various computers in the network.

DETAILED DESCRIPTION - The system has a medical administration management module integrating medical order information, infusion pump monitoring, and bar code technology to support the real time verification and charting of medications administered to a patient. The module gathers information from various nursing and bedside CPUs and creates and maintains an online, real time, patient specific medication administration record. When a physician attends a patient and specifies the desired therapeutic treatment, the prescription is entered into the pharmacy information system and then entered into the care management system. An infusion pump (92) delivers medication to the patient in a predetermined, controlled manner. The sensors and **send signals** to the **computer** for storage **available** for remote access by the file **server** (45). The care management system controls alarms or alerts generated by a module of the system.

USE - Used for automated patient care management.

ADVANTAGE - Monitors, controls and tracks the administration of care in health care institution. Enables the administration to project supply usage and purchase supplies in quantities without incurring inventory carrying costs.

DESCRIPTION OF DRAWING(S) - The drawing is a graphic representation of the care management system illustrating details of the hardware elements and local area network.

File server (45)
 Network (50)
 Nursing CPU (70)
 Pharmacy CPU (60)
 CPUs (80)
 Infusion pipe (92)
 pp; 48 DwgNo 1/16

Title Terms: AUTOMATIC; PATIENT; CARE; MANAGEMENT; SYSTEM
 Derwent Class: T01

International Patent Class (Main): G05B-011/01; G06F-017/60 ; G06F-019/00

International Patent Class (Additional): G05B-019/42

File Segment: EPI

20/5/10 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012773604 **Image available**

WPI Acc No: 1999-579831/199949

XRPX Acc No: N99-428084

Processing capacity utilization method for remote computer connected to
WAN

Patent Assignee: INTEL CORP (ITLC)

Inventor: KISOR G H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5964832	A	19991012	US 97837416	A	19970418	199949 B

Priority Applications (No Type Date): US 97837416 A 19970418

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5964832	A	6	G06F-015/173	

Abstract (Basic): US 5964832 A

NOVELTY - The central computer (20) sends an assigned task to the **available remote computer** (25). The **remote computer** processes the received raw data and generates processed data. The **remote computer** stores the processed data and **sends** a complete **message** to the central **computer**.

DETAILED DESCRIPTION - The data processed by the remote computer is stored in the network (100) which is accessible by the central computer. The remote computer communicates with the central computer via LAN. An INDEPENDENT CLAIM is also included for remote computer utilization system in computer network.

USE - For utilizing the excess processing capacity of remote computer in wide area network.

ADVANTAGE - Allows central computer to offload tasks to remote **computers** which are idle and have **available** capacity and thereby utilizing the processing capacity of remote computer effectively.

DESCRIPTION OF DRAWING(S) - The figure shows an illustration of a computer network.

Central computer (20)

Remote computer (25)

Network (100)

pp; 6 DwgNo 1/2

Title Terms: PROCESS; CAPACITY; METHOD; REMOTE; COMPUTER; CONNECT; WAN

Derwent Class: T01

International Patent Class (Main): G06F-015/173

International Patent Class (Additional): G06F-015/00

File Segment: EPI

20/5/11 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012383809 **Image available**
WPI Acc No: 1999-189916/199916
XRPX Acc No: N99-138946

Web page transmitter in server computer for internet

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: BECKER C; FRANK-LORON A; MCLEAN J G; PICKOVER C A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5878223	A	19990302	US 97852757	A	19970507	199916 B

Priority Applications (No Type Date): US 97852757 A 19970507

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5878223	A	17	G06F-013/00	

Abstract (Basic): US 5878223 A

NOVELTY - A server (130) sends predicted page of information by determining a preference factor for the page based on the pages requested by a client (12). The predicted pages are stored in a cache memory (80) in the client.

DETAILED DESCRIPTION - The predicted pages are sent to the **client** only when a permission **signal** is **sent** by the **client** to the **server**. The permission signal indicates that sufficient memory is **available** in the **client** to store the predicted page and the requested page is requested in a specified period of time, and if there is a preference factor related to the predicted page. The sending of predicted page terminates when another request for a requested page is received. AN INDEPENDENT CLAIM is also included for a method for web page transmission.

USE - In server computer for internet.

ADVANTAGE - The bandwidth and apparent speed of the network connection is increased by sending pages of information from server to the requesting computer effectively.

DESCRIPTION OF DRAWING(S) - The figure represents pictorial representation of computer system and block diagram of computer network comprising server and requesting computer connected via interim computer.

Client (12)
Cache memory (80)
Server (130)
pp; 17 DwgNo 1,3/6

Title Terms: WEB; PAGE; TRANSMIT; SERVE; COMPUTER

Derwent Class: T01

International Patent Class (Main): G06F-013/00

File Segment: EPI

20/5/19 (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

007727995 **Image available**
WPI Acc No: 1988-361927/198851
XRPX Acc No: N88-274120

Computer network information disseminating system - is used for network containing nodes of given type in advanced unit-to-unit network systems

Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: BARATZ A E; DRAKE J E; GRAY J P; GROVER G A; POLLARD M R;
POZEFSKY D P; RAFALOW L M; GROVE G A

Number of Countries: 005 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 295380	A	19881221	EP 88105794	A	19880412	198851 B
JP 1112839	A	19890501				198923
US 5109483	A	19920428	US 8762280	A	19870615	199220
EP 295380	B1	19950215	EP 88105794	A	19880412	199511
DE 3853022	G	19950323	DE 3853022	A	19880412	199517
			EP 88105794	A	19880412	

Priority Applications (No Type Date): US 8762280 A 19870615

Cited Patents: 2.Jnl.Ref; A3...9145; EP 118037; EP 201063; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 295380	A	E	22		
-----------	---	---	----	--	--

Designated States (Regional): DE FR GB

US 5109483	A		20		
------------	---	--	----	--	--

EP 295380	B1	E	23	G06F-015/16	
-----------	----	---	----	-------------	--

Designated States (Regional): DE FR GB

DE 3853022	G			G06F-015/16	Based on patent EP 295380
------------	---	--	--	-------------	---------------------------

Abstract (Basic): EP 295380 A

When any link in the network is activated, a first exchange of signals is initiated automatically between nodes (as EN, NN) attached to the link. This provides each attached node with information about the availability of the node at the other end of the link for participating in a predetermined type of communication session. In response to the information it is determined at each attached **node** if both **nodes** are **available** to participate in the predetermined session type.

If both are available an automatic second exchange of signals is initiated between the nodes for setting up a session. Following establishment of a session, a third exchange of signals is initiated automatically to provide signals which give the nodes the necessary information for making effective use of the session. The session is then made available to transaction programs for exchanging additional network state data as necessary.

4/14

Title Terms: COMPUTER; NETWORK; INFORMATION; DISSEMINATE; SYSTEM; NETWORK; CONTAIN; NODE; TYPE; ADVANCE; UNIT; UNIT; NETWORK; SYSTEM

Derwent Class: T01

International Patent Class (Additional): G06F-013/00 ; G06F-015/16 ;

H04L-011/00

File Segment: EPI

20/5/21 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

007688944 **Image available**

WPI Acc No: 1988-322876/198845

XRPX Acc No: N88-244928

Node for obtaining access to bus - extending period of access for node which needs more than one cycle to complete message transaction

Patent Assignee: DIGITAL EQUIP CORP (DIGI)

Inventor: DONALDSON D D; GILLET R B

Number of Countries: 016 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8808579	A	19881103	WO 88US1358	A	19880422	198845 B

AU 8817217	A	19881202				198908
JP 1502627	W	19890907	JP 88504142	A	19880422	198942
EP 346398	A	19891220	EP 88904322	A	19880422	198951
US 4947368	A	19900807	US 8744490	A	19870501	199034
US 5034883	A	19910723	US 90483797	A	19900223	199132
US 5111424	A	19920505	US 90483813	A	19900223	199221
CA 1303228	C	19920609	CA 565316	A	19880428	199229
EP 346398	B1	19940622	EP 88904322	A	19880422	199424
			WO 88US1358	A	19880422	
DE 3850387	G	19940728	DE 3850387	A	19880422	199429
			EP 88904322	A	19880422	
			WO 88US1358	A	19880422	

Priority Applications (No Type Date): US 8744490 A 19870501

Cited Patents: 1.Jnl.Ref

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing	Notes
WO 8808579	A	E	35			
				Designated States (National):	AU JP KR	
				Designated States (Regional):	AT BE CH DE FR GB IT LU NL SE	
EP 346398	A	E				
				Designated States (Regional):	CH DE FR GB IT LI NL SE	
US 5111424	A		20			Cont of patent US 4947368
EP 346398	B1	E	25	G06F-013/36		Based on patent WO 8808579
				Designated States (Regional):	CH DE FR GB IT LI NL SE	
DE 3850387	G			G06F-013/36		Based on patent EP 346398
						Based on patent WO 8808579
CA 1303228	C			G06F-013/36		

Abstract (Basic): WO 8808579 A

The bus request is generated at times when a message is to be transferred from a node onto the bus (25). A request is output on a respective bus request line to the arbiter (28) using a respective pair of dedicated lines. An extend request generator (111) produces an extend request for each node which requires more than one bus cycle for transferring a message.

Extend cycle circuit (122) in the clock decoder (63) acts for activating an extend bus cycle during the initial access cycle when the node becomes a transmitter and for maintaining the extend bus cycle signal activated during successive bus cycles while the extend request for the node is present. An enabling circuit (124) produces a system has drive enable signal in the node when no extend has cycle signal from other nodes is active and whilst the extend bus cycle signal for the respective node is active.

Dwg.6/10

Title Terms: NODE; OBTAIN; ACCESS; BUS; EXTEND; PERIOD; ACCESS; NODE; NEED; MORE; ONE; CYCLE; COMPLETE; MESSAGE; TRANSACTION

Derwent Class: T01

International Patent Class (Main): G06F-013/36

International Patent Class (Additional): G06F-013/14 ; G06F-015/16

File Segment: EPI

20/5/22 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

007346430

WPI Acc No: 1987-343436/198749

XRAM Acc No: C89-026540

XRPX Acc No: N89-045172

Computer network system with stations connected by bi-directional bus -
has connections so that each computer can become master and can send
messages to other computers

Patent Assignee: INT COMPUTERS LTD (INCM)

Inventor: THOMPSON R D

Number of Countries: 008 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 248508	A	19871209	EP 87302292	A	19870318	198749 B
ZA 8702092	A	19870914				198748
AU 8773639	A	19871203				198804
US 4814984	A	19890321	US 8733820	A	19870403	198914
EP 248508	B1	19920610	EP 87302292	A	19870318	199224
DE 3779694	G	19920716	DE 3779694	A	19870318	199230
			EP 87302292	A	19870318	

Priority Applications (No Type Date): GB 8613152 A 19860530

Cited Patents: 1.Jnl.Ref; A3...8951; GB 2076190; No-SR.Pub; US 4439856

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
-----------	------	--------	----------	--------------

EP 248508	A	E 18		
-----------	---	------	--	--

Designated States (Regional): BE DE FR GB NL

US 4814984	A	16		
------------	---	----	--	--

EP 248508	B1	E 19	G06F-013/36	
-----------	----	------	-------------	--

Designated States (Regional): BE DE FR GB NL

DE 3779694	G		G06F-013/36	Based on patent EP 248508
------------	---	--	-------------	---------------------------

Abstract (Basic): EP 248508 A

Each computer, when it does not have control of the bus, monitors for messages destroyed for it. If it does not detect any messages within a given time interval it enters a contention mode. In this mode it respectfully broadcasts a contention message over the bus at a given repetition rate until either it received a response to the message, in which case it assures control of the bus, or it receives a contention message from another computer, in which case it sends a response to that other computer allowing it to assume control of the bus.

Each computer has a different repetition rate at which it sends messages in the contention mode such that, whatever the initial phasing of the contention messages from the computers is the contention mode, one message from one of the computers will always be transmitted without collisions within a given no. of transmissions.

Title Terms: COMPUTER; NETWORK; SYSTEM; STATION; CONNECT; BI; DIRECTION;

BUS; CONNECT; SO; COMPUTER; CAN; MASTER; CAN; SEND; MESSAGE; COMPUTER

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/36

International Patent Class (Additional): G06F-015/16

File Segment: EPI

20/5/23 (Item 22 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

007007073

WPI Acc No: 1987-007070/198701

XRPX Acc No: N87-005272

Store and forward communications system - has delivery process causing destination application process to be created if process is not executing

Patent Assignee: AT&T INFO SYST (AMTT)

Inventor: BEDNAR J A; BENNETT R L; DUTT C R; STAFFORD M K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 4630196	A	19861216	US 83484474	A	19830413	198701 B

Priority Applications (No Type Date): US 83484474 A 19830413

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 4630196	A	41		

Abstract (Basic): US 4630196 A

The system comprises means for creating a message file in response to instructions from an originating **computer** process, and means for delivering a message to a destination computer process. Information in a message file is transferred to the delivering means. The delivery includes a circuit creating the **destination computer** process from a destination program. The **create** circuit is notified that a **message** is available for **delivery** to the **destination computer** process.

A circuit is responsive to a release request from the **destination computer** process to **generate** a confirmation **message** to be **transferred** and **delivered** to a **computer** process specified by the originating computer process.

ADVANTAGE - Increased delivery speed.

2/35

Title Terms: STORAGE; FORWARD; COMMUNICATE; SYSTEM; DELIVER; PROCESS; CAUSE
; DESTINATION; APPLY; PROCESS; PROCESS; EXECUTE

Derwent Class: T01

International Patent Class (Additional): G06F-013/38

File Segment: EPI

22/5/26 (Item 26 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05973990 **Image available**
SERVER AND PORTABLE TERMINAL FOR ELECTRONIC MAIL

PUB. NO.: 10-257090 [JP 10257090 A]
PUBLISHED: September 25, 1998 (19980925)
INVENTOR(s): HIDAKA ISAO
APPLICANT(s): SONY CORP [000218] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 09-059112 [JP 9759112]
FILED: March 13, 1997 (19970313)
INTL CLASS: [6] H04L-012/54; H04L-012/58; G06F-013/00 ; H04Q-007/38;
H04M-003/42; H04M-011/00
JAPIO CLASS: 44.3 (COMMUNICATION -- Telegraphy); 36.4 (LABOR SAVING
DEVICES -- Service Automation); 44.2 (COMMUNICATION --
Transmission Systems); 44.4 (COMMUNICATION -- Telephone);
45.2 (INFORMATION PROCESSING -- Memory Units)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a server and a portable terminal for electronic mail to improve convenience of an electronic mail function without impairing portability of the portable terminal.

SOLUTION: The **electronic mail** transmitted from **computers** 4a, 4b,... through a computer communication network 2 is distributed to the portable **terminals** 6a, 6b, ' **connected** with a telephone line 5 by the server 1 for electronic mail. The electronic mail is stored in an electronic mail storage means 1a included in the **server** 1 for **electronic mail**. In-coming mail information is **given** to the portable **terminals** 6a, 6b,... only when the electronic mails transmitted to users of the portable terminals 6a, 6b,... are the electronic mail from transmitters who are registered in a transmitter's directory stored in a transmitter's directory storage means 1b with respect to an in-coming mail informing means 1c. Therefore, only the in-coming electronic mails from important transmitters are informed to the portable terminals 6a, 6b,... by the in-coming mail informing means 1c.

22/5/27 (Item 27 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

05293758 **Image available**
COMMUNICATION CONTROLLER AMONG COMPUTRS

PUB. NO.: 08-249258 [JP 8249258 A]
PUBLISHED: September 27, 1996 (19960927)
INVENTOR(s): KAMIYAMA KAZUHIRO
APPLICANT(s): YOKOGAWA ELECTRIC CORP [000650] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 07-050806 [JP 9550806]
FILED: March 10, 1995 (19950310)
INTL CLASS: [6] G06F-013/00 ; G06F-011/30
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units); 45.1
(INFORMATION PROCESSING -- Arithmetic Sequence Units)

ABSTRACT

PURPOSE: To distinguish a state where a communication route is detached

from a state where the power supply to a computer is cut.

CONSTITUTION: This controller is provided with the communication route 30 connected through a first connector 35 to one computer A, connected through a second connector 36 to the other computer B and provided with a communication signal line 31 connected to the transmission/reception circuits 11 and 21 of the respective computers and a communication signal feedback line 32 for supplying the reference potential of the communication signal line 31, monitoring signal terminals 15 and 25 respectively provided in the computers and connected through a resistor R to the power supply voltage Vcc of the present computer and grounded terminals 16 and 26 for supplying the reference potential of the present computer. Then, the communication route 30 is provided with monitoring signal lines 37 and 38 for which the monitoring signal terminal of one and the grounded terminal of the other are mutually cross-connected and the respective computers are provided with connection state discrimination circuits 12 and 22 for inputting the potential of the monitoring signal terminal of the present computer. It is judged as normal when the potential of the monitoring signal terminal is '0', and it is judged that the communication route 30 is cut off when it is '1'.

22/5/28 (Item 28 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

04969535 **Image available**
SECURITY MANAGEMENT DEVICES

PUB. NO.: 07-262135 [JP 7262135 A]
PUBLISHED: October 13, 1995 (19951013)
INVENTOR(s): SAITO YOKO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 06-047194 [JP 9447194]
FILED: March 17, 1994 (19940317)
INTL CLASS: [6] G06F-015/00 ; G06F-001/00 ; G06F-013/00 ; H04L-009/00;
H04L-009/10; H04L-009/12
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 44.3
(COMMUNICATION -- Telegraphy); 45.2 (INFORMATION PROCESSING
-- Memory Units); 45.9 (INFORMATION PROCESSING -- Other)

ABSTRACT

PURPOSE: To cope with an infringement of security that a wrong intruder from one system wrongfully accesses another system in open systems.

CONSTITUTION: At least one or more security audit server (SO) is provided in open distributed network systems (SS1, SS2, SS3...) and this SO always extracts and analyzes security messages (M1, etc.) which are transmitted from work stations (WS11, etc.) connected to networks and are related to the infringement of security and collects and accumulates the results. In the case of the message which may have an influence upon systems, a security report related to this message is generated. All security reports are synthetically analyzed to diagnose the weak points of systems, and the proper change of the security policy is requested to actual systems.

22/5/30 (Item 30 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

03985651 **Image available**
NETWORK TIME SYNCHRONIZING SYSTEM

PUB. NO.: 04-350751 [JP 4350751 A]
PUBLISHED: December 04, 1992 (19921204)
INVENTOR(s): KIBE KAZUO
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
 (Japan)
APPL. NO.: 03-152602 [JP 91152602]
FILED: May 28, 1991 (19910528)
INTL CLASS: [5] G06F-013/00 ; G06F-013/00
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)
JOURNAL: Section: P, Section No. 1527, Vol. 17, No. 215, Pg. 65, April
 27, 1993 (19930427)

ABSTRACT

PURPOSE: To set the same time to computers on a network without mutual adjustment.

CONSTITUTION: In the network time synchronizing system where times of plural **computers** connected through a local area network are synchronized, the **computer** having a time **generating** device **transmits** a time **message** at intervals of a certain time by radio, and the **other computers** receive this time message to extract time data and check it; and if it is correct, they set the present time based on this time data. If it is not correct, they transmit a data retransmission request to the computer having the time generating device. Thus, the time lag from time acquisition to time setting is eliminated to suppress the increase of load of the network due to complicated calculation processing.

22/5/41 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

013796952 **Image available**
WPI Acc No: 2001-281164/200129
Related WPI Acc No: 1999-180260; 1999-478174; 2001-456270; 2002-009862
XRPX Acc No: N01-200479

Serial bus for digital computer system has node initiating new contact handshake by signal transmission after addition of new node
Patent Assignee: DUCKWALL W S (DUCK-I); TEENER M D (TEEN-I); APPLE COMPUTER INC (APPY)

Inventor: DUCKWALL W S; TEENER M D
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010001151	A1	20010510	US 94359294	A	19941219	200129 B
			US 97889814	A	19970708	
			US 98186921	A	19981106	
			US 99330896	A	19990611	
			US 2000751696	A	20001229	
US 6314461	B2	20011106	US 94359294	A	19941219	200170
			US 97889814	A	19970708	
			US 98186921	A	19981106	
			US 99330896	A	19990611	
			US 2000751696	A	20001229	

Priority Applications (No Type Date): US 94359294 A 19941219; US 97889814 A

19970708; US 98186921 A 19981106; US 99330896 A 19990611; US 2000751696 A 20001229

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010001151	A1		34	G06F-003/00	Cont of application US 94359294 Div ex application US 97889814 Div ex application US 98186921 Div ex application US 99330896 Div ex patent US 5875301 Div ex patent US 5935208 Div ex patent US 6199119
US 6314461	B2			G06F-013/00	Cont of application US 94359294 Div ex application US 97889814 Div ex application US 98186921 Div ex application US 99330896 Div ex patent US 5875301 Div ex patent US 5935208 Div ex patent US 6199119

Abstract (Basic): US 20010001151 A1

NOVELTY - Interconnect (serial bus) comprises two coupled nodes, with a third node connected after the interconnect is initially configured. The first node initiates a new connect handshake with the third by transmitting a signal to it and signals that the third node has been added to the interconnect if it responds to the first signal by transmitting a second signal. The first node causes the interconnect to be reconfigured if the third node transmits a third signal in response to receiving the first signal.

DETAILED DESCRIPTION - The bus is initially configured for the first, second and a fourth node, the latter assigning an address to the third node to signal that the third node has been added in response to the first node signaling. There are INDEPENDENT CLAIMS for (1) an electronic system, (2) a serial bus, (3) a method of adding a new node to a previously configured serial bus, (4) a node for use in an electronic system interconnect, and (5) a method of building a topology map of an interconnect.

USE - Interconnect (serial bus) is for information sharing in a computer system.

ADVANTAGE - Interconnect enables nodes to be connected and disconnected from the serial bus to reduce interruptions to serial bus traffic.

DESCRIPTION OF DRAWING(S) - The figure shows a serial bus.
pp; 34 DwgNo 1/26

Title Terms: SERIAL; BUS; DIGITAL; COMPUTER; SYSTEM; NODE; INITIATE; NEW; CONTACT; HANDSHAKE; SIGNAL; TRANSMISSION; AFTER; ADD; NEW; NODE

Derwent Class: T01; W01

International Patent Class (Main): G06F-003/00 ; G06F-013/00

International Patent Class (Additional): G06F-015/177

File Segment: EPI

22/5/46 (Item 16 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012769622 **Image available**

WPI Acc No: 1999-575845/199949

XRPX Acc No: N99-425004

Electronic bulletin board system - has terminal equipments which are connected via LAN, and indicate modification of notice data content by sending change notice signal to other terminal equipment

Patent Assignee: NIPPON DENKI ENG KK (NIDE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11249996	A	19990917	JP 9850300	A	19980303	199949 B

Priority Applications (No Type Date): JP 9850300 A 19980303

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11249996	A		5 G06F-013/00	

Abstract (Basic): JP 11249996 A

NOVELTY - Terminal equipments (102-104) are connected in a system via local area network (LAN) (101). External storage devices (105-107), connected to terminal equipments, store only notice data index simultaneously. Each terminal equipment indicates the modification of the notice data content by **sending** a change notice **signal** to **other terminal** equipment showing the modified notice data.

USE - None given.

ADVANTAGE - Reduces redundant resources since only index data are exchangeable within each terminal and unnecessary data are not passed. Prevents one terminal from overload concentration since dispersion and modification of data are performed. DESCRIPTION OF DRAWING(S) - The figure shows the diagram of the bulletin board system. (102-104) Terminal equipments; (105-107) External storage devices; (LAN) (101).

Dwg.1/4

Title Terms: ELECTRONIC; BOARD; SYSTEM; TERMINAL; CONNECT; LAN; INDICATE; MODIFIED; NOTICE; DATA; CONTENT; SEND; CHANGE; NOTICE; SIGNAL; TERMINAL; EQUIPMENT

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G06F-017/30 ; H04L-012/40; H04L-012/54; H04L-012/58

File Segment: EPI

22/5/51 (Item 21 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012275352 **Image available**

WPI Acc No: 1999-081458/199907

XRPX Acc No: N99-058547

Communication system for user message exchange on network - has user system registering with host site when logged-on and being able to exchange messages with other current users

Patent Assignee: KONINK PHILIPS ELECTRONICS NV (PHIG); PHILIPS AB (PHIG); CLARKE P A (CLAR-I); US PHILIPS CORP (PHIG)

Inventor: CLARKE P A

Number of Countries: 020 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9859299	A1	19981230	WO 98IB484	A	19980402	199907 B
EP 938708	A1	19990901	EP 98909688	A	19980402	199940
			WO 98IB484	A	19980402	
JP 2000516748	W	20001212	JP 98529386	A	19980402	200101
			WO 98IB484	A	19980402	
US 20020023155	A1	20020221	US 9879559	A	19980515	200221
US 6397250	B1	20020528	US 9879559	A	19980515	200243
US 20020087691	A1	20020704	US 9879559	A	19980515	200247
			US 200261180	A	20020201	

Priority Applications (No Type Date): GB 9712895 A 19970620

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9859299 A1 E 27 G06F-013/14

Designated States (National): JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU
MC NL PT SE

EP 938708 A1 E G06F-013/14 Based on patent WO 9859299

Designated States (Regional): DE FR GB

JP 2000516748 W 27 G06F-013/00 Based on patent WO 9859299

US 20020023155 A1 G06F-015/173

US 6397250 B1 G06F-015/173

US 20020087691 A1 G06F-015/173 Cont of application US 9879559

Abstract (Basic): WO 9859299 A

The communications system has a number of clients (10,24) that can connect to a network, e.g. the Internet. As the clients use a telephone connection (18,26) to link to the network, they cannot concurrently handle telephone calls. The clients log on to a service provider site (14). The client computers also have software that automatically logs on to another server (16). This server maintains a directory of possible clients.

This **server** also holds a directory of **clients** currently **connected**. Periodic messages detect whether **clients** are still **connected** to enable database maintenance. **Clients** can **send messages** to other users currently on-line.

ADVANTAGE - Allows on-line users to receive messages from others despite telephone line being in use.

Dwg.1/10

Title Terms: COMMUNICATE; SYSTEM; USER; MESSAGE; EXCHANGE; NETWORK; USER;
SYSTEM; REGISTER; HOST; SITE; LOG; ABLE; EXCHANGE; MESSAGE; CURRENT; USER
Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00 ; G06F-013/14 ;
G06F-015/173

International Patent Class (Additional): G06F-015/16 ; G06F-017/30 ;

H04L-012/06; H04L-012/54; H04L-012/58; H04M-003/42; H04M-011/00;

H04M-011/02; H04M-011/06; H04L-012-06; H04M-011-06

File Segment: EPI

22/5/52 (Item 22 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012117338 **Image available**

WPI Acc No: 1998-534250/199846

XRPX Acc No: N98-416901

Data transfer operation method over internet - sends data from one computer system to another across internet, second computer system sends receipt to first system, sending of data is monitored, and is sent again if not received

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: ALUR D; BECKETT C F; HYDE V C; JANSSON M

Number of Countries: 026 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 872984	A1	19981021	EP 98302454	A	19980330	199846 B
JP 11098182	A	19990409	JP 98125170	A	19980331	199925
US 5983276	A	19991109	US 97834809	A	19970331	199954

Priority Applications (No Type Date): US 97834809 A 19970331

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 872984	A1	E	16	H04L-012/58	
-----------	----	---	----	-------------	--

Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI

LT LU LV MC MK NL PT RO SE SI

JP 11098182	A		41	H04L-012/54	
-------------	---	--	----	-------------	--

US 5983276	A			G06F-013/00	
------------	---	--	--	-------------	--

Abstract (Basic): EP 872984 A

The method transmits data (135) stored on a first **computer** system connected to the global computer network (130) to a **second computer** system **connected** to the global network. A receipt acknowledgement **signal** is **sent** from the **second computer** system to the first on receiving the data on the **second computer** system.

Acknowledgement signals received by the first computer system are monitored to determine whether the data has been received by the second computer system. The data is automatically transmitted via facsimile upon determining that the data has not been received by the second computer system together with an automatic paging signal.

USE - For performing EDI (electronic data exchange interface) transactions over global computer network.

ADVANTAGE - Allows for secure data transfer operations to be performed on line in real time.

Dwg.1B/6

Title Terms: DATA; TRANSFER; OPERATE; METHOD; SEND; DATA; ONE; COMPUTER; SYSTEM; SECOND; COMPUTER; SYSTEM; SEND; RECEIPT; FIRST; SYSTEM; SEND; DATA; MONITOR; SEND; RECEIVE

Derwent Class: W01; W02

International Patent Class (Main): **G06F-013/00** ; H04L-012/54; H04L-012/58

International Patent Class (Additional): H04L-029/08; H04N-001/00

File Segment: EPI

22/5/55 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

012096185

WPI Acc No: 1998-513096/199844

XRFX Acc No: N98-400806

Electronic message system for computer - includes transmission side computer which has message transmitter for transmitting electronic message produced by message production unit to network

Patent Assignee: FUJITSU LTD (FUJIT)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10224396	A	19980821	JP 9719476	A	19970131	199844 B

Priority Applications (No Type Date): JP 9719476 A 19970131

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

JP 10224396	A		20	H04L-012/54	
-------------	---	--	----	-------------	--

Abstract (Basic): JP 10224396 A

The system includes several **computers** which are **connected** via a network. A transmission side **computer** (2) consists of a **message transmitter** which **transmits** the **message** produced by a **message**

production unit to the network. The modification factor related to the modification of the produced message is stored and managed by a first management unit (21). The conditions on which the produced message should be modified according to the modification factor, are set up by a condition setting unit (23). A **server computer** (1) stored the **message transmitted** to the network in a first memory. The second management unit (11) provided in the sever computer stores and manages the modification factor.

When the message of a self address is stored in the first memory, then a message receives (30) of a receiving side computer (3) receives the message from the server computer via the network and stores the message in a second memory. A third management unit (33) in the receiving side computer stores and manages the modification factor. The contents or the display of the message currently stored to the second memory, are modified according to the modification factor stored in the third management unit.

ADVANTAGE - Modifies message contents, according to modification factor. Improves communication efficiency

Title Terms: ELECTRONIC; MESSAGE; SYSTEM; COMPUTER; TRANSMISSION; SIDE; COMPUTER; MESSAGE; TRANSMIT; TRANSMIT; ELECTRONIC; MESSAGE; PRODUCE; MESSAGE; PRODUCE; UNIT; NETWORK

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/54

International Patent Class (Additional): G06F-013/00 ; H04L-012/58

File Segment: EPI

22/5/58 (Item 28 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011915783 **Image available**

WPI Acc No: 1998-332693/199829

XRPX Acc No: N98-259711

Network communication management system e.g. for LAN, WAN - transfers data between host computer and LAN side work stations using matching application level protocol

Patent Assignee: COMPUSERVE INC (COMP-N)

Inventor: MILLER J S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5761425	A	19980602	US 94349012	A	19941202	199829 B

Priority Applications (No Type Date): US 94349012 A 19941202

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5761425	A	11	G06F-013/14	

Abstract (Basic): US 5761425 A

The system includes host computer (16,22) and terminals connected in WAN and several **work stations** (10,20) **connected** in LAN. A first connection is performed between the WAN and **server**. A first, **second** and third **computer** programs are provided for **server**, host computers and **work stations** respectively. These **computer** programs **send** and receive **messages** using a matching application level protocol thereby, facilitates data transfer. An automatic connection unit connects WAN side terminals to LAN side work stations. An authenticating unit authenticate users who are seeking access to LAN side work station.

A specific unit facilitates user to view and manage data on the LAN side work stations. A second connection unit facilitates user to connect other work stations to the LAN using the matching application level protocol, a communication unit transfers data between host computer and network work stations.

ADVANTAGE - Increases throughput. Facilitates user to provide WAN to LAN and LAN to WAN connection. Reduces data communication time, remarkably. Possesses authentication capability to verify user's privilege before permitting access to LAN.

Dwg.2/5

Title Terms: NETWORK; COMMUNICATE; MANAGEMENT; SYSTEM; LAN; WAN; TRANSFER; DATA; HOST; COMPUTER; LAN; SIDE; WORK; STATION; MATCH; APPLY; LEVEL; PROTOCOL

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/14

File Segment: EPI

22/5/59 (Item 29 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

011887334 **Image available**

WPI Acc No: 1998-304244/199827

XRPX Acc No: N98-238818

Information communication system used in Internet - has several computers , one of which sends request signal to other computer , and other computer transmitted predetermined information corresponding to request signal , by using information transmitting unit

Patent Assignee: BROTHER KOGYO KK (BRER)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 10107850	A	19980424	JP 96277207	A	19960928	199827 B

Priority Applications (No Type Date): JP 96277207 A 19960928

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 10107850	A	10	H04L-012/56	

Abstract (Basic): JP 10107850 A

The system makes use of several computers (20) which are connected through a communication circuit (12). A transmitting request signal is transmitted from one computer to other computer through a communication circuit.

The computer which receives the transmitting request signal, transmits request information corresponding to the received signal to the computer which sends the request by using an information transmitting unit. Then, the received information is regenerated at the computer.

ADVANTAGE - Improves activity.

Dwg.1/8

Title Terms: INFORMATION; COMMUNICATE; SYSTEM; COMPUTER; ONE; SEND; REQUEST ; SIGNAL; COMPUTER; COMPUTER; TRANSMIT; PREDETERMINED; INFORMATION; CORRESPOND; REQUEST; SIGNAL; INFORMATION; TRANSMIT; UNIT

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/56

International Patent Class (Additional): G06F-013/00 ; H04L-029/08;

H04M-011/00

File Segment: EPI

22/5/68 (Item 38 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010574189 **Image available**
WPI Acc No: 1996-071142/199608
XRPX Acc No: N96-059568

Distributed transaction processing system for computers connected in communication network - has transmitting management device which transmits number of stored commitment control message to target node collectively as one message

Patent Assignee: HITACHI LTD (HITA)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7282011	A	19951027	JP 9476865	A	19940415	199608 B

Priority Applications (No Type Date): JP 9476865 A 19940415

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 7282011	A	15	G06F-015/16	

Abstract (Basic): JP 7282011 A

The distributed transaction processing system (10) has a number of computers which are connected to the communication network. The application program counter is inserted in a transaction branch (16) by the user, and the transaction is parallel processed by the computer. The stored commitment controlled message (3482) is transmitted by the computer to the concerned node (32) for every print node.

When a constant amount of message is stored in a transmitting buffer (348), a transmitting management device (344) makes the package transmission of a number of messages as one message to the target node. A management device (342) receives the package transmission of messages and decomposes into a number of original control message.

ADVANTAGE - Makes transmitting and receiving messages into number of blocks. Improves processing. Carries out transmission and reception collectively.

Dwg.3/10

Title Terms: DISTRIBUTE; TRANSACTION; PROCESS; SYSTEM; COMPUTER; CONNECT; COMMUNICATE; NETWORK; TRANSMIT; MANAGEMENT; DEVICE; TRANSMIT; NUMBER; STORAGE; CONTROL; MESSAGE; TARGET; NODE; COLLECT; ONE; MESSAGE

Derwent Class: T01

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-012/00 ; G06F-013/00

File Segment: EPI

22/5/71 (Item 41 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

010271974 **Image available**
WPI Acc No: 1995-173229/199523
XRPX Acc No: N95-135748

Demand driven type message transmission method for terminals - involves sending message transmission demand to other computers in same transmitting message category and waiting for replies

Patent Assignee: FUJITSU LTD (FUIT)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 7093227	A	19950407	JP 93236135	A	19930922	199523 B

Priority Applications (No Type Date): JP 93236135 A 19930922

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 7093227	A		7 G06F-013/00	

Abstract (Basic): JP 7093227 A

The method involves specifying a **message transmission** category to particular **computers** (1) **connected** to the network. The **terminal** of the calling party (1a) **sends** a **transmission** demand having a **message** ID to the receiving parties (1b, 1c, 1d) which are assigned to the same message transmission category.

The receiving parties comply with the demand by sending messages in demand driven format preceded by their message IDs to the calling party. The calling party then selects which message will be read first.

ADVANTAGE - Saves memory space. Avoids delays in delivery of messages.

Dwg.1/6

Title Terms: DEMAND; DRIVE; TYPE; MESSAGE; TRANSMISSION; METHOD; TERMINAL;
SEND; MESSAGE; TRANSMISSION; DEMAND; COMPUTER; TRANSMIT; MESSAGE;
CATEGORY; WAIT; REPLY

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): H04L-012/54; H04L-012/58

File Segment: EPI

22/5/77 (Item 47 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2003 Thomson Derwent. All rts. reserv.

008300474 **Image available**

WPI Acc No: 1990-187475/199025

Related WPI Acc No: 1985-305010; 1990-187474; 1990-187476; 1990-187477;
1990-195737; 1990-232960

XRPX Acc No: N90-145791

Node for connection in local network - interconnects service user and service provider and is arranged to receive messages from communications links with server units

Patent Assignee: DIGITAL EQUIP CORP (DIGI)

Inventor: DUFFY D; LAUCK A; MANN B; STRECKER W

Number of Countries: 008 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 374132	A	19900620				199025 B
EP 374132	B1	19920729	EP 90103118	A	19850524	199231
DE 3586431	G	19920903	DE 3586431	A	19850524	199237
			EP 90103118	A	19850524	

Priority Applications (No Type Date): US 84616553 A 19840601

Cited Patents: 2.Jnl.Ref; A3...9034; NoSR.Pub; US 4199663

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 374132	A			

Designated States (Regional): CH DE FR GB IT LI NL SE

EP 374132 B1 E 23 G06F-015/16 Related to patent EP 163577
Designated States (Regional): CH DE FR GB IT LI NL SE
DE 3586431 G G06F-015/16 Based on patent EP 374132

Abstract (Basic): EP 374132 A

Each node (34) sends periodically an advertising message to all device servers (24) to identify the respective node and the services provided by the service providers (14) connected to that node, together with a rating for the service. When a user (12) needs a service provided by a service provider (14) identified in a service directing in the respective server, the server begins to set up a virtual circuit between itself and the node which provides the service being the most desirable service rating.

A virtual state machine is set up for data communications between the **server** and the **node** over a communications link. Each **node** receives **messages** from the link and **sends messages** each including a data field and a response requested flag field having predetermined values which are established in response to the data field being empty.

ADVANTAGE - Message throughput between users and providers of services is enhanced and units have equal access rights to communications links of sending messages. (23pp Dwg.No.1/8

Title Terms: NODE; CONNECT; LOCAL; NETWORK; INTERCONNECT; SERVICE; USER; SERVICE; ARRANGE; RECEIVE; MESSAGE; COMMUNICATE; LINK; SERVE; UNIT

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-013/368

File Segment: EPI